Manitoba
Agriculture

MANITOBA AGRICULTURE YEARBOOK 1991

AGDEX 990
ISSN 0384-3665

Copies of this publication may be obtained from:

Market Analysis and
Statistics Section
Manitoba Agriculture
903 - 401 York Avenue
Winnipeg, Manitoba
R3C 0P8

Price: $5.35 Canadian (includes GST)

93-02558/

MANITOBA AGRICULTURE YEARBOOK 1991

AGDEX 850
ISSN0084-3865

Canadian Cataloguing in Publication Data
338.1097127021
Manitoba agriculture yearbook. 1991

Annual.
Chiefly tables.
Continues: Yearbook Manitoba agriculture.
ISSN 0084-3865.

1. Agriculture – Manitoba – Statistics.
2. Agriculture – Economic aspects – Manitoba – Statistics. I. Manitoba. Manitoba Agriculture.
I. Title: Yearbook Manitoba agriculture

FOREWORD

This publication is the twenty-ninth in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1957, has been continued for the convenience of users. Minor changes are made annually whenever new or more detailed information becomes available. Please note that some totals may not add due to rounding and metric/Imperial conversions. Statistics published are based on available information as of July 1, 1992, except for crop statistics, which were updated on September 1, 1992. As not all results of the 1991 Census of Agriculture and intercensal revisions were available by time of printing, any revisions to the 1991 data published will be incorporated in the 1992 issue of this publication.

Cooperation between Statistics Canada and Manitoba Agriculture is maintained to secure the best possible agricultural statistics. The assistance of many contributors of information received from other government departments, farm businesses, farmer organizations and farmers is appreciated. Appreciation is also extended to the secretarial staff of the Economics Branch for typing and proofing the manuscript.

As the development, compilation and assembly of material was done by the Market Analysis and Statistics Section, Economics Branch, suggestions for improving the content of the manuscript can be sent to the Economics Branch, Manitoba Agriculture, 903 Norquay Building, Winnipeg, Manitoba, R3C 0P8, PH: (204) 945-3492.

Heather Gregory
Director
Economics Branch
Policy and Economics Division
Manitoba Agriculture

CONTENTS

	Current Events Page	Past Trends
FOREWORD	1	-
1991 IN REVIEW	8	-
1991 Value of Farm Production	9	74-75
Farm Cash Receipts	13	150-153
Farm Net Income	15	154-155
CROP PRODUCTION		
General Conditions	18	-
Wheat	19	76-77
Durum Wheat	21	-
Oats	23	78-79
Barley	24	80-81
Rye	26	82-83
Mixed Grains	26	84-85
Canola	27	89-90
Flaxseed	29	91-92
Specialty Crops:		
Grain Corn	30	86-87
Sunflower Seed	30	93-94
Buckwheat	31	97-98
Canary Seed	31	99-100
Dry Beans	31	101-102
Dry Peas	31	103-104
Fababeans	31	105
Lentils	32	106
Mustard Seed	32	107-108
Wild Rice	32	109
Fodder Corn	32	110-111
Sugar Beets	32	114-115
Tame Hay and Pasture	32	112-113
Potatoes	34	117-118
Vegetables	34	116
Ornamental Crops and Fruit:		
Strawberries	36	-
Raspberries	36	-
Saskatoons	36	-
Apples	36	-
Pears and Plums	36	-
Greenhouse Production	36	-
Mushrooms	37	-
Nursery Sod	37	-
Nursery Stock	37	-
Seed Production:		
Forage Seeds	38	116
Pedigreed Seed	38	-
MARKETING OF MAJOR CROPS	42	119-129
LIVESTOCK PRODUCTION		
Cattle	48	130-132
Production Value	48	130-131
Marketings	48	132
Cattle Slaughtered in Manitoba	49	-
Replacement Cattle Marketed in Manitoba	49	-
Prices	51	139-140
Inventory	51	141

CONTENTS

	Current Events Page	Past Trends Page
Hogs	54	133-134
Production	54	133
Marketings	54	134
Quality	54	-
Prices	54	139-140
Inventory	55	141
Sheep and Lambs	57	135
Slaughterings and Exports	57	-
Prices	57	139-140
Wool Production	57	135
Dairy	57	136-137
Creamery Butter Production	59	136-137
Cheddar Cheese Production	59	136-137
Total Milk Supply	59	136-137
Milk Cows	61	141
Poultry	61	138
Other Livestock:		
Horses	63	142
Goats	63	-
Rabbits	63	-
OTHER PRODUCTS		
Fur and Wildlife	63	142
Forest Products	64	142
Honey and Alfalfa Leafcutting Bees	64	142
Alfalfa Leafcutting Bees	65	142
RESOURCES		
Land and Farms	66	143
Farm Number, Size, Types	67	143-144
Tenure	67	144
People:		
Population	69	146
Census Farm Labour	69	146
Farm Wages	69	-
Capital:		
Investment in Agriculture	69	146
Land Values	70	145
Machinery	71	147
Fertilizer	71	148
WEATHER	72	156-158
SOURCES AND METHODS		
Crops	159	-
Livestock	160	-
Other Products	160	-
Resources	161	-
Land Values	161	-
Farm Input Price Index	161	-
Farm Product Price Index	161	-
Income	161	-
Weather Data	162	-
Metric Conversion Factors	162	-

TABLES

#	Subject	Page
1	Manitoba Agriculture In Perspective - Relationship to Canadian Agriculture	8
2	Gross Value of Agricultural Production	9
3	1991 Summary of Crop Production	9-10
4	1991 Summary of Livestock Production	11
5	Farm Input Price Indices, Western Canada, 1989-1991	12
6	Farm Product Price Indices, Manitoba, 1989-1991	12
7	Farm Cash Receipts, 1989-1991	13
8	Farm Expenditures, 1989-1991	14
9	Farm Income Summary, 1989-1991	15
10	Farm Capital Investment, 1989-1991	15
11	Farm Debt Outstanding, 1989-1991	15
12	Farm Structure 1981, 1986, 1991	17
13	Area, Yield and Production of All Wheat, 1990, 1991	19
14	Area, Yield and Production of Durum Wheat, 1990, 1991	21
15	Area, Yield and Production of Spring Wheat, 1990, 1991	21-22
16	Area, Yield and Production of Winter Wheat, 1990, 1991	22
17	Area, Yield and Production of Oats, 1990, 1991	23
18	Area, Yield and Production of Barley, 1990, 1991	24
19	Area, Yield and Production of All Rye, 1990, 1991	26
20	Area, Yield and Production of Canola, 1990, 1991	27
21	Area, Yield and Production of Flaxseed, 1990, 1991	29
22	Area, Yield and Production of Major Grains & Oilseeds, 1990, 1991	29-30
23	Area, Yield and Production of Tame Hay, 1990, 1991	33
24	Area of Improved Pasture, 1990, 1991	33
25	Area of Summerfallow, 1990, 1991	34
26	Area, Production and Value of Fresh Vegetables, 1991	35
27	Value of Production of Vegetables, Ornamental Crops and Fruit, 1991	37
28	Production and Value of Forage Seeds, 1991	38
29	Area of Foundation, Registered and Certified Seed Production, 1989-1991	39-40
30	Certified Potato Production, 1991	41
31	Farm Supply and Disposition of Major Crops, 1990/91	42
32	Producer Marketings, Crop Year 1990/91	43
33	Permit Holders, Quota Areas, 1986/87 to 1990/91	44
34	Average Protein Content of Spring Wheat, 1990, 1991	44
35	Monthly Average Cash Grain Prices, Basis In-Store Lower St. Lawrence or Thunder Bay, 1990/1991:	
	A. 1990/91 Wheat Prices	45
	B. 1990/91 Malting Barley Prices	45
	C. 1990/91 Barley Prices	45
	D. 1990/91 Oat Prices	46
	E. 1990/91 Rye Prices	46
	F. 1990/91 Canola Prices	46
	G. 1990/91 Flaxseed Prices	46
36	Grain Storage Capacity, August 1, 1990/1991	47
37	Grain Stored in Country Elevators at July 31	47
38	Manitoba Origin Cattle Slaughtered in Canada by Month, 1991	48
39	Beef Carcasses Graded in Federally & Provincially Inspected Packing Plants, 1990, 1991	49
40	Cattle Prices, Winnipeg, 1991	50
41	Winnipeg Cattle Prices - Selected Grades	51
42	Cattle Numbers on Farms, June 4, 1991	54
43	Slaughter Hog Marketings by Month, 1989-1991	54
44	Monthly Average Weighted Hog Prices, 1989-1991	55
45	Hog Numbers on Farms, June 4, 1991	55
46	Federally and Provincially Inspected Sheep and Lamb Slaughter,1988-1991	57
47	Volume of Milk and Cream Sold Off Farm, 1987-1991	59
48	Cash Receipts from Milk and Cream Sold Off Farm, 1987-1991	59
49	Dairy Factory Production by Month, 1991	59
50	Summary of Poultry Production, 1990, 1991	61
51	Egg Prices to Producers, Winnipeg, 1986-1991	63
52	Fur Statistics, 1987/88 to 1990/91	64

TABLES

#	Subject	Page
53	Honey Prices and Production, 1990, 1991	65
54	Production of Leafcutting Bees and Alfalfa Seed, 1990, 1991	65
55	Land Use by Area, 1991	66
56	Size and Number of Farms, 1991	67
57	Per Cent of Farms with Crops and Livestock, 1991	67
58	Farms Classified by Tenure of Operator, 1991	67
59	Capital Investment Per Farm Reporting, 1991	69
60	Value of Farm Capital, by Province, 1987-1991	70
61	Value per Unit of Farmland and Buildings, Manitoba and Canada	70
62	Farm Machinery Numbers and Sales	71
63	Sales of Fertilizer, July 1 to June 30, 1989 to 1991	71
64	Weather Record for the Year 1991, Winnipeg	72
65	Precipitation at Various Manitoba Points, 1991	73
66	Historical Production Value Summary	74
67	Historical Production Value Summary of Grains	75
68	Historical Production and Value of Wheat	76-77
69	Historical Production and Value of Oats	78-79
70	Historical Production and Value of Barley	80-81
71	Historical Production and Value of All Rye	82-83
72	Historical Production and Value of Mixed Grains	84-85
73	Historical Production and Value of Grain Corn	86-87
74	Historical Production Value Summary of Oilseeds	88
75	Historical Production and Value of Canola	89-90
76	Historical Production and Value of Flaxseed	91-92
77	Historical Production and Value of Sunflower Seed	93-94
78	Historical Production Value Summary of Other Crops	95-96
79	Historical Production and Value of Buckwheat	97-98
80	Historical Production and Value of Canary Seed	99-100
81	Historical Production and Value of Dry Beans	101-102
82	Historical Production and Value of Dry Peas	103-104
83	Historical Production and Value of Fababeans	105
84	Historical Production and Value of Lentils	106
85	Historical Production and Value of Mustard Seed	107-108
86	Historical Production and Value of Wild Rice (green basis)	109
87	Historical Production and Value of Fodder Corn	110-111
88	Historical Production and Value of Tame Hay	112-113
89	Historical Production and Value of Sugar Beets	114-115
90	Historical Production Value Summary of Horticultural Crops &Forage Seeds	116
91	Historical Production and Value of Potatoes	117-118
92	Historical Marketings of Major Crops	119-120
93	Historical Quantities of Major Grain Stocks on Farms at July 31	121-122
94	Historical Quantities of Grain Used On-Farm for Feed	123-124
95	Historical Quantities of Grain Used On-Farm for Seed	125-126
96	Historical Farm Supply & Disposition of Major Crops	127-129
97	Historical Production Value Summary of Livestock	130
98	Historical Production and Value of Cattle	131
99	Historical Commercial Marketings of Cattle - Manitoba Origin	132
100	Historical Production and Value of Hogs	133
101	Historical Commercial Hog Marketings - Manitoba Origin	134
102	Historical Production and Value of Sheep and Wool	135
103	Historical Production and Value of Dairy Products	136-137
104	Historical Production Value Summary of Poultry	138
105	Historical Livestock Prices by Grade, Winnipeg	139-140
106	Historical Numbers of Livestock on Farms - July 1	141
107	Historical Production Value Summary of Other Farm Products	142
108	Census Farm Area and Land Use, 1941-1991	143
109	Census Farm Numbers and Size, 1941-1991	143-144
110	Census Farm Area by Tenure, 1941-1991	144
111	Historical Value Per Unit of Farmland and Buildings, Manitoba and Canada	145
112	Census Farm and Total Population, 1941-1991	146

TABLES

#	Subject	Page
113	Percentage of Persons in Manitoba Farm Households, 15 Years of Age and Over and in the Labour Force, by Occupation, 1971, 1981, and 1986	146
114	Census Capital Investment Values, 1941-1991	146
115	Census Numbers of Machinery on Farms, 1951-1991	147
116	Historical Sales of Selected Farm Machinery	147
117	Historical Sales of Fertilizer	148
118	Historical Farm Input Price Indices, (1986=100) Western Canada	149
119	Historical Farm Product Price Indices (1986=100)	149
120	Historical Farm Cash Receipts	150
121	Historical Farm Cash Receipts from Crop Sales	151
122	Historical Farm Cash Receipts from Livestock Sales	152
123	Historical Farm Operating Expenses and Depreciation Charges	153
124	Historical Farm Income Summary	154
125	Historical Per Farm Total Net Income and Total Receipts	155
126	Historical Monthly Precipitation in Winnipeg	156-157
127	Historical Selected Seasonal Data	158

MAPS

#	Subject	Page
1	Manitoba Agricultural Regions	7
2	Farms over $50,000 in Farm Cash Receipts, 1991 Census by Rural Municipality	16
3	Wheat Acres, 1991 Census by Rural Municipality	20
4	Barley Acres, 1991 Census by Rural Municipality	25
5	Canola Acres, 1991 Census by Rural Municipality	28
6	Total Cattle, 1991 Census by Rural Municipality	52
7	Total Beef Cows, 1991 Census by Rural Municipality	53
8	Total Hogs, 1991 Census by Rural Municipality	56
9	Total Sheep, 1991 Census by Rural Municipality	58
10	Total Dairy Cows, 1991 Census by Rural Municipality	60
11	Total Poultry, 1991 Census by Rural Municipality	62
12	Average Farm Size, 1991 Census by Rural Municipality	68

MAP 1: Manitoba Agricultural Regions

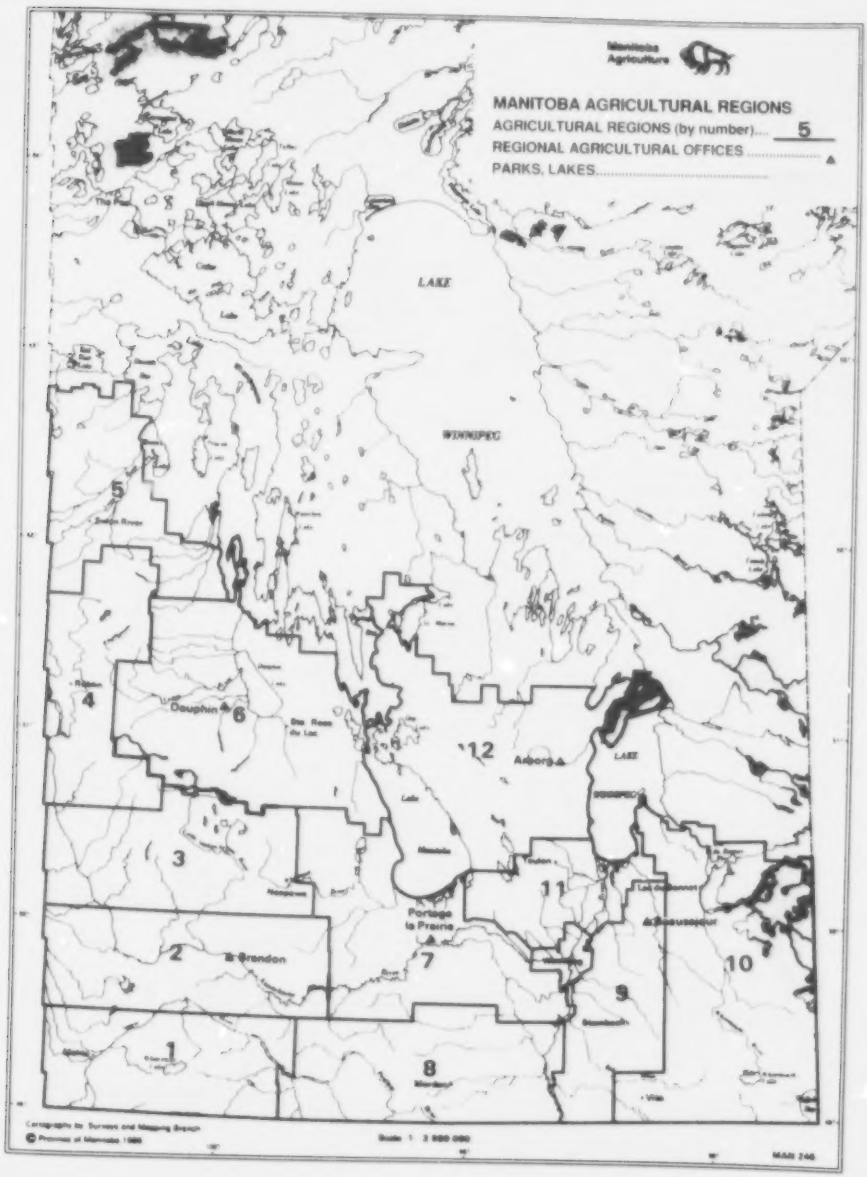


TABLE 1: Manitoba Agriculture in Perspective - Relationship to Canadian Agriculture

	Canada	Manitoba	Per Cent of Canada
	- thousand tonnes -		
Crop Production 1991			
Wheat (all)	31 945.6	4 806.3	15.1
Oats	1 793.9	222.1	12.4
Barley	11 617.3	1 426.1	12.3
Canola (Rapeseed)	4 224.2	796.1	18.8
Flaxseed	635.0	330.2	52.0
	- thousand bushels -		
Wheat (all)	1,172,238.7	176,600.0	15.1
Oats	116,314.0	14,400.0	12.4
Barley	533,567.0	65,500.0	12.3
Canola (Rapeseed)	186,250.0	35,100.0	18.8
Flaxseed	25,000.0	13,000.0	52.0
Livestock and Poultry, 1991			
Cattle and Calves, June 4 (000's)	12,972.0	1,108.8	8.5
Hogs, June 4 (000's)	10,216.1	1,287.2	12.6
Sheep and Lambs, June 4 (000's)	935.9	36.9	3.9
Chicken Egg Production (000 dozen)	471,654	54,512	11.6
Milk and Cream Sales (kl)	7 240 297	286 497	4.0
	- number -		
Inspected Livestock Slaughtered, 1991			
Cattle and Calves	2,893,894	55,795	1.9
Hogs	3,861,391	1,967,649	14.2
Sheep and Lambs	344,823	5,715	1.7
	- thousand dollars -		
Farm Income, 1991			
Total Cash Receipts	21,419,269	1,979,837	9.2
Total Net Operating Expenses	5,893,606	1,529,598	9.6
Realized Net Income (incl. dep.)	3,106,412	196,965	6.3
Resources (1991 Census Farms)			
Land in Farms (hectares)	67 753 700	7 724 990	11.4
Improved Land (hectares)	45 569 949	5 399 339	11.8
Land in Farms (acres)	167,423,057	19,088,868	11.4
Improved Land (acres)	112,605,807	13,342,060	11.8
Farm Numbers	280,043	25,706	9.2
Farm Population	N.A.	N.A.	-
Tractors on Farms	734,149	73,523	10.0
	- thousand dollars -		
Capital Investment, 1991	131,210,056	10,256,951	7.8
Land and Buildings	96,742,244	6,814,388	7.0
Machinery and Equipment	23,291,733	2,426,745	10.4
Livestock and Poultry	11,176,080	1,015,818	9.1

1991 VALUE OF FARM PRODUCTION

The total value of agricultural production in Manitoba in 1991 was estimated at $2,070.6 million. This represented an 8.6 per cent decrease below the revised 1990 value of $2,264.8 million and was 1.2 per cent less than the revised 1989 value of $2,094.7 million. The value of crop production was $1,245.9 million, 10.7 per cent less than in 1990 and 7.3 per cent below the 1989 value of $1,344.6 million. Lower production in many instances was compounded by the decline in prices for most of the major crops.

Livestock production was valued at $789.3 million, 5.8 per cent less than in 1990. Lower prices for cattle, hogs and poultry in 1991, combined with decreased cattle marketings, contributed to the decrease in livestock production value.

TABLE 2: Gross Value of Agricultural Production

	1989[R]	1990[R]	1991[P]
	- million dollars -		
Crops	1,344.6	1,395.5	1,245.9
Livestock and Products	721.0	838.1	789.3
Other (Honey & Wax, Bees, Fur, Wildlife, PMU, Forest, etc.)	29.1	31.2	35.4
Total	**2,094.7**	**2,264.8**	**2,070.6**

[R] - Revised. [P] - Preliminary.

TABLE 3: 1991 Summary of Crop Production

Crop	Harvested Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Dollars Per (tonne)	Farm Value Total ($000)
Wheat	2 173.1	2.21	4 806.3	103	495,049
Oats	109.3	2.03	222.1	84	18,656
Barley	505.9	2.82	1 426.1	81	115,514
Rye	32.0	1.91	61.0	67	4,087
Mixed Grains	12.1	2.53	30.6	80	2,448
Grain Corn	40.5	5.08	205.7	105	21,599
Canola	507.8	1.57	796.1	235	187,084
Flaxseed	250.1	1.32	330.2	157	51,841
Sunflower Seed	73.8	1.68	124.3	220	27,346
Buckwheat	15.7	1.11	17.4 1	84	3,202
Canary Seed	8.1	0.90	7.3 1	70	1,241
Dry Beans	15.2	1.33	20.2 3	39	6,850
Dry Peas	51.6	1.64	84.4	165	13,926
Fababeans	0.9	2.50	2.2	176	385
Lentils	54.0	1.18	64.03	15	20,160
Mustard Seed	6.6	1.35	8.9 2	20	1,958
Wild Rice (green basis)			0.6	1,760	1,064
Forage Seeds	39.7	0.14	5.6 8	57	4,800
Fodder Corn	11.7	27.12	317.5	20	6,350
All Tame Hay	697.9	5.07	3 538.0	45	159,800
Sugar Beets*	10.7	42.35	453.6	29	13,154
Horticulture					
Potatoes	18.2	17.87	325.2	156	50,720
Vegetables	1.6				13,517
Fruits					1,800
Greenhouse and Mushrooms					16,600
Nursery Products and Sod					6,740
TOTAL	**4 636.5**				**1,245,891**

TABLE 3: Continued

Crop	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Dollars Per (bushel)	Farm Value Total ($000)
Wheat	5,369.7	32.9	176,600	2.80	495,049
Oats	270.0	53.3	14,400	1.30	18,656
Barley	1,250.0	52.4	65,500	1.76	115,514
Rye	79.0	30.4	2,400	1.70	4,087
Mixed Grains	30.0	50.0	1,500	1.63	2,448
Grain Corn	100.0	81.0	8,100	2.67	21,599
Canola	1,254.7	28.0	35,100	5.33	187,084
Flaxseed	618.0	21.0	13,000	4.00	51,841
		(pounds)	(000 pounds)	(pound)	
Sunflower Seed	182.4	1,502.5	274,000	0.10	27,346
		(bushels)	(000 bushels)	(bushel)	
Buckwheat	38.7	20.7	800	4.00	3,202
		(pounds)	(000 pounds)	(pound)	
Canary Seed	20.1	796.0	16,000	0.077	1,241
Dry Beans	37.5	1,189.0	44,600	0.154	6,850
		(bushels)	(000 bushels)	(bushel)	
Dry Peas	127.4	24.3	3,100	4.50	13,926
		(pounds)	(000 pounds)	(pound)	
Fababeans	2.1	2,230	4,800	0.08	385
Lentils	133.5	1,056	141,000	0.143	20,160
Mustard Seed	16.3	1,214	19,800	0.10	1,958
Wild Rice (green basis)			1,330	0.80	1,064
Forage Seeds	98.1	125	12,300	0.39	4,800
		(tons)	(000 tons)	(ton)	
Fodder Corn	28.9	12.1	350	18.00	6,350
All Tame Hay	1,724.5	2.26	3,900	41.00	159,800
Sugar Beets*	26.5	18.89	500	26.31	13,154
Horticulture					
		(cwt)	(000 cwt)	(cwt)	
Potatoes	45.0	159.3	7,170	7.07	50,720
Vegetables	4.0				13,517
Fruits					1,800
Greenhouse and Mushrooms					16,600
Nursery Products and Sod					6,740
TOTAL	**11,456.4**				**1,245,891**

NOTE: Numbers may not all add due to rounding and/or metric/Imperial conversion.

* Values do not include stabilization payments, if any.

SOURCE: Statistics Canada; Manitoba Agriculture.

TABLE 4: 1991 Summary of Livestock Production

	Number (000)	Value Per Unit $	Total Value ($000)
CATTLE:			
Commercial Marketings (including exports)	363.6		
Inventory Change	49.0		
Local Slaughterings	6.0		
TOTAL CATTLE	**418.6**	**695**	**291,000**
HOGS:			
Commercial Marketings (including exports)	2,092		
Inventory Change	11		
Local Slaughterings	19		
TOTAL HOGS	**2,122**	**113**	**240,000**
SHEEP AND LAMBS:			
Manitoba-produced Marketings	26.0	48	1,248
Wool - 000 kilograms	52.7		13
- 000 pounds	116.1		
TOTAL SHEEP & LAMBS & WOOL			**1,261**
DAIRY PRODUCTS:			
Milk Equivalent - 000 kilolitres	286.5		118,168
Supplementary Payments			9,682
TOTAL DAIRY PRODUCTS			**127,850**
POULTRY:			
Eggs (000 dozen)	54.9		63,830
Meat			57,982
TOTAL POULTRY			**121,812**
OTHER LIVESTOCK:			
Bison, pheasants, wild boars, goats, llamas, rabbits, slaughter horses, ostriches			7,400
TOTAL LIVESTOCK PRODUCTION			**789,323**

SOURCE: Statistics Canada; Agriculture Canada; Manitoba Agriculture.

TABLE 5: Farm Input Price Indices (1986 = 100), Western Canada, 1989-1991

	1989[R]	1990[R]	1991
Total Farm Inputs	**106.2**	**108.6**	**107.0**
Building and Fencing	105.1	107.1	104.9
Machinery and Motor Vehicles	102.9	106.9	110.7
Crop Production	99.0	99.2	92.8
Animal Production	110.8	108.5	106.8
Supplies and Services	102.1	105.3	107.6
Hired Farm Labour	112.5	116.3	121.0
Property Taxes	109.7	113.9	119.5
Interest	119.0	128.0	111.4
Farm Rent	97.6	101.2	102.8

SOURCE: Statistics Canada, Cat. No. 62-004, Fourth Quarter, 1991.

TABLE 6: Farm Product Price Indices (1986 = 100), Manitoba, 1989-1991

	1989	1990[R]	1991
Total Index	**115.8**	**109.1**	**93.2**
Total Crops	**133.7**	**116.2**	**88.3**
Cereals	134.3	112.1	81.9
Oilseeds	135.5	127.9	95.0
All Other Crops[1]	126.1	123.2	123.0
Total Livestock and Products	**96.9**	**101.6**	**98.4**
Cattle and Calves	105.4	108.1	106.5
Hogs	72.4	88.6	78.5
Poultry	105.8	104.0	99.9
Eggs	106.5	94.8	93.5
Dairy	109.1	109.4	111.0
Other Livestock and Products[2]	84.2	88.4	100.8

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflower seed.

[2] Includes lambs, honey and fur.

SOURCE: Statistics Canada, Cat. No. 62-003, May 8, 1992 update.

TABLE 7: Farm Cash Receipts, 1989-1991

	1989[R]	1990[R]	1991
	- - thousands of dollars - -		
Wheat - Excluding Durum	311,111	480,170	498,577
Wheat - Excluding Durum, CWB Payments[1]	71,234	65,075	41,870
Durum wheat	21,656	21,401	23,603
Durum wheat, CWB Payments[1]	6,457	1,416	2,560
Total Wheat	**332,767**	**501,571**	**522,180**
Total Wheat, CWB Payments[1]	**77,691**	**66,491**	**44,430**
Oats	11,652	8,292	5,477
Oats, CWB Payments[1]	1,974	417	0
Barley	78,833	82,428	59,938
Barley, CWB Payments[1]	7,925	14,389	10,067
Deferred Grain Receipts	-71,880	-62,624	-45,585
Liquidation of Deferred Grain Receipts	92,505	71,880	62,624
Rye	7,713	7,126	3,854
Flaxseed	72,457	55,740	35,593
Canola	127,983	101,821	128,924
Corn	10,552	11,995	13,996
Sugar Beets	13,782	16,326	12,375
Potatoes	37,111	41,931	43,225
Vegetables	15,167	16,376	17,993
Floriculture and Nursery	11,021	14,606	15,000
Mustard Seed	2,379	3,576	1,980
Sunflower Seed	13,587	20,190	21,420
Lentils	5,330	13,566	15,580
Canary Seed	5,400	4,062	1,350
Dry Peas	12,541	11,120	11,559
Forage and Grass Seed	9,379	5,473	5,643
Hay and Clover	1,498	1,800	866
Forest Products	1,569	1,562	1,522
Miscellaneous Crops	12,305	14,142	13,860
TOTAL CROPS	**891,241**	**1,024,256**	**1,003,871**
Cattle	226,698	232,385	220,045
Calves	46,159	37,413	36,745
Hogs	228,741	254,041	240,725
Sheep	56	54	52
Lambs	1,223	1,318	2,968
Dairy Products	121,201	118,455	118,168
Hens and Chickens	38,419	40,437	39,470
Turkeys	15,676	16,897	15,621
Eggs	52,465	45,129	45,530
Wool	73	11	60
Honey	6,266	6,468	7,237
Furs	1,486	822	1,105
Miscellaneous Livestock	19,940	20,343	19,651
TOTAL LIVESTOCK AND PRODUCTS	**758,403**	**773,773**	**747,377**
NISA Payments	0	0	312
GRIP Payments	0	0	112,128
Crop Insurance Payments[2]	166,495	89,049	33,186
Western Grain Stabilization Payments	31,576	0	27,465
Agricultural Stabilization Act			
- Price Stabilization	1,337	4	3
- Tripartite Plans	72,074	16,422	9,799
Provincial Stabilization Programs	803	0	0
Dairy Subsidy	10,624	10,004	9,682
Other Payments	166,944	53,805	36,014
TOTAL DIRECT PAYMENTS	**449,853**	**169,284**	**228,589**
TOTAL CASH RECEIPTS	**2,099,497**	**1,967,313**	**1,979,837**

[1] Participation payments made by the CWB to producers for crops delivered in previous year.

[2] Includes payments under the Crop Insurance Act and private hail insurance plans.

SOURCE: Statistics Canada, May, 1992.

TABLE 8: Farm Expenditures, 1989-1991

	1989[R]	1990[R]	1991
	- - thousands of dollars - -		
Property Taxes	49,963	54,100	57,130
Rebates	0	0	0
Net Property Taxes	**49,963**	**54,100**	**57,130**
Cash Rent	58,745	60,793	59,577
Share Rent	27,033	26,099	22,184
Total Rent	**85,778**	**86,892**	**81,761**
Cash Wages	124,066	125,794	128,184
Room & Board	1,408	1,415	1,464
Total Wages	**125,474**	**127,209**	**129,648**
Interest	177,930	195,019	159,656
Rebates	2,276	7,125	7,259
Net Interest	**175,654**	**187,894**	**152,397**
Repairs to Buildings	34,444	35,197	34,141
Repairs to Fences	7,289	6,497	6,368
Building & Fence Repairs	**41,733**	**41,694**	**40,509**
Electricity	38,330	41,115	41,925
Telephone	10,432	11,671	11,904
Heating Fuel	8,703	10,088	10,592
Rebates	0	0	0
Net Heating Fuel	8,703	10,088	10,592
Total	**57,465**	**62,874**	**64,421**
Machinery Fuel	132,969	148,527	152,983
Rebates	3,521	3,304	1,781
Net Machinery Fuel	129,448	145,223	151,202
Machinery Repairs & Other	145,468	152,225	158,314
Total Machinery	**274,916**	**297,448**	**309,516**
Fertilizer	179,922	182,294	173,179
Rebates	0	0	0
Net Fertilizer	**179,922**	**182,294**	**173,179**
Pesticides	115,739	116,649	117,699
Rebates	0	0	0
Net Pesticides	115,739	116,649	117,699
Commercial Seed	45,663	48,072	45,620
Irrigation	0	0	0
Twine, Wire & Containers	6,300	6,602	6,879
Crop & Hail Insurance	50,665	48,747	41,348
Total Other Crop	**218,367**	**229,070**	**211,546**
Commercial Feed	183,640	149,324	140,365
Rebates	0	0	0
Net Feed	**183,640**	**149,324**	**140,365**
Livestock Purchases	12,994	13,741	15,659
A.I. & Veterinary	16,290	17,862	18,576
Rebates	0	0	0
Net A.I. & Veterinary	16,290	17,862	18,576
Total Other Livestock	**29,284**	**31,603**	**34,235**
Business Insurance	10,967	10,663	10,354
Custom Work	17,544	25,561	24,539
Stabilization Premiums	34,006	32,234	63,303
Other	38,753	39,528	38,660
Total Miscellaneous	**101,270**	**107,986**	**136,856**
Operating Expenses Before Rebates	1,529,263	1,559,817	1,540,603
Total Rebates	5,797	10,429	9,040
Operating Expenses After Rebates	**1,523,466**	**1,549,388**	**1,531,563**
Depreciation on Building	17,241	18,586	18,158
Depreciation on Machinery	253,713	255,600	249,045
Total Depreciation	**270,954**	**274,186**	**267,203**
TOTAL EXPENSES BEFORE REBATES	**1,800,217**	**1,834,003**	**1,807,806**
TOTAL REBATES	**5,797**	**10,429**	**9,040**
TOTAL EXPENSES AFTER REBATES	**1,794,420**	**1,823,574**	**1,798,766**

SOURCE: Statistics Canada, June 1, 1992.

Farm Cash Receipts

Farm cash receipts include proceeds from the sale of agricultural products sold off farm through regular market channels. All deficiency, subsidy, supplementary and final Canadian Wheat Board payments are included. In 1991, total cash receipts were estimated at $1.980 billion, 0.6 per cent above the 1990 level of $1.967 billion.

Farm Net Income

Realized net farm income is determined by adding total cash receipts, income-in-kind and total payments and subtracting total expenses and depreciation charges. In 1991, realized net farm income amounted to $195.0 million, 23.5 per cent more than 1990. Realized net farm income per farm in 1991 was estimated at $7,590, 25.0 per cent greater than the revised 1990 value of $6,070 and 63.0 per cent below the 1989 estimate of $12,100*.

* Based on 1989 estimate of 26,350 farms, 1990 estimate of 26,000 farms and 1991 Census number of 25,706 farms.

TABLE 9: Farm Income Summary, 1989-1991

	1989[R]	1990[R]	1991[P]
	- - - thousands of dollars - - -		
Cash Receipts	1,649,644	1,798,029	1,751,248
Total Payments	449,853	169,284	228,589
Total Cash Receipts	**2,099,497**	**1,967,313**	**1,979,837**
Net Operating Expenses	1,523,466	1,549,388	1,531,563
Net Cash Income	**576,031**	**417,925**	**448,274**
Income-In-Kind	13,812	14,094	13,929
Depreciation Charges	270,954	274,186	267,203
Realized Net Income	**318,889**	**157,833**	**195,000**
Value of Inventory Change	146,177	326,613	-4,016
TOTAL NET INCOME	**465,066**	**484,446**	**190,984**

SOURCE: Statistics Canada, June 1, 1992.

TABLE 10: Farm Capital Investment, 1989-1991

	1989[R]	1990[R]	1991[P]
	- - - thousands of dollars- - -		
Land and Buildings	5,971,522	6,437,301	6,289,243
Machinery and Equipment	2,274,651	2,290,688	2,227,032
Livestock and Poultry	857,615	942,025	928,522
TOTAL	**9,103,788**	**9,670,014**	**9,444,797**

SOURCE: Statistics Canada, May 28, 1992.

TABLE 11: Farm Debt Outstanding, 1989-1991

	1989[R]	1990[R]	1991[P]
	- - - thousands of dollars - - -		
Chartered Banks[1]	655,328	682,993	654,164
Federal Government Agencies[2]	306,463	289,272	293,227
Provincial Government Agencies	219,189	241,006	236,126
Credit Unions	315,952	349,000	336,000
Insurance, Trust, Loan Companies	12,337	12,300	12,300
Private Individuals and Others[3]	268,423	268,000	268,000
Advance Payment Programs	19,840	286,093	239,758
TOTAL[4]	**1,797,532**	**2,128,664**	**2,039,575**

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, and stores.
[4] Totals may not add due to rounding.

SOURCE: Statistics Canada, May 28, 1992.

MAP 2: Farms over $50,000 in Farm Cash Receipts, 1991 Census by Rural Municipality

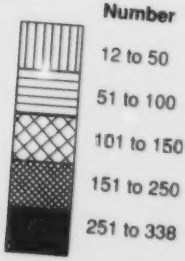


TABLE 12: Farm Structure 1981, 1986, 1991

	1981 Census	1986 Census	1991 Census
People and Land			
Total Manitoba Population	1,026,241	1,071,232	1,091,942
Farm Population	98,375	86,505	N.A.
Total Manitoba Land Base (000 units)			
Hectares	54 770	054 770.5	54 770.5
Acres	135,342	0135,340.8	135,340.8
Farmland (000 units)			
Hectares	7 736.07	740.2	7 725.0
Acres	19,115.0	19,126.5	19,088.9
Total Improved:			
Hectares	5 504.05	403.1	5 399.3
Acres	13,600.6	13,351.3	13,342.1
Land in Crops:			
Hectares	4 420.4	4 519.3	4 761.1
Acres	10,923.0	11,167.5	11,764.8
Summerfallow:			
Hectares	598.3	509.2	297.0
Acres	1,478.5	1,258.3	733.9
Improved Pasture & Other:			
Hectares	485.3	374.5	341.3
Acres	1,199.2	925.5	843.3
Unimproved Pasture & Hayland:			
Hectares	2 232.0	2 337.1	1 750.5
Acres	5,514.0	5,775.2	4,325.6
All Other Land:			
Hectares	included in the above		575.1
Acres	Unimproved Pasture & Hayland		1,421.2
Farms and Finances			
Census Farms	29,442	27,336	25,706
Average Size per Census Farm			
Hectares	263	283	300
Acres	649	700	743
Average Value per Unit			
Hectares	$1,028.86	$850.66	$882.12
Acres	$416.36	$344.25	$356.98
Average Capital per Farm	$354,968.00	$349,525.00	$399,010.00
Type of Organization			
Individual/Family Farm	25,701	22,869	17,017
Partnership			
With written agreement	688	761	1,125
With no written agreement	1,965	2,468	5,950
Corporation			
Family	882	1,035	1,279
Other	85	81	207
Other	121	122	128
Tenure of Operators			
No. Reporting Owned Land	27,183	25,091	24,098
No. Reporting Rented Land	13,359	13,552	12,795

SOURCE: Statistics Canada, Census of Agriculture.

CROP PRODUCTION

General Conditions

Precipitation in the form of rain or snow in April, 1991 improved soil moisture levels across the province, providing sufficient topsoil moisture for crop establishment and early crop growth. Although subsoil moisture had improved significantly in the eastern half of the province, moisture levels ranged from poor to low in most of the Southwest and Northwest Regions. Fall rye appeared to have wintered well, but winter wheat crops were relatively poor. Despite an interruption in seeding caused by rain and snow in early May, planting of cereals, lentils and peas at this time were most advanced in the Morden-Altona area, at 50 per cent seeded, and in the Vita-Dominion City area, at about 30 per cent seeded. Seeding was about 10 per cent complete in the Melita area and had only begun in the Northwest and Interlake Regions, when wet weather in mid-May delayed planting. However, rain further improved subsoil moisture levels. By the end of May, about 85 per cent of Manitoba's crop had been planted and spraying of early seeded fields for weed control was well underway. Measures were being undertaken in most areas to control grasshopper, cutworm and flea beetle activity.

By the second week in June, planting of the 1991 crop was complete. Early seeded cereals were entering the heading stage of development, while canola was beginning to pod. There was localized hail damage in parts of the Central and Eastern Regions in June. Generally moisture conditions were fair to good across the province, with excessively-wet fields reported in parts of the Central and Eastern Regions. Tan spot disease was evident in wheat fields in all regions, except the Northwest. Haying had begun in most areas in early June and yields were generally good, except for native hay. Pasture growth was adequate, but additional rain was needed to maintain productivity in some areas. Towards the end of June, generally dry and windy weather caused crop deterioration in northern parts of the Southwest Region and in the Northwest Region. Crop development in the Central Region was about 7-10 days ahead of normal with cereals heading shorter than normal. Flax and canola had started to flower in most of the Central and Southwest Regions. Crop spraying for weed control was near completion by the end of June, while spraying for grasshoppers was ongoing.

Rainfall of up to 200 mm in early July improved soil moisture conditions across the province. Excessive moisture was reported in localized areas of all regions, except northern parts of the Interlake and Northwest Regions. Generally, crop development was rated good to very good except in areas with excessively-wet fields. The additional moisture improved pasture conditions, but the quality of hay in swath deteriorated significantly. Towards the end of July, early-sown cereals were starting to ripen across the southern part of the province and by the end of the month, swathing had begun. Swathing of fall rye was also underway with combining of winter wheat and rye started by the end of July. There was some crop damage due to lodging and leaf diseases in cereal crops. The harvesting of second-cut hay had started in all regions by the end of July and the quality and yields were considered to be good.

By the first week in August, harvest of the 1991 crop had commenced in all regions. Crop yields were below expectations and were classed as average to below average. The combination of drowned-out areas in many fields and the prevalence of diseases contributed to lower grades and yields. Generally hot, dry weather in the second half of August allowed for good progress with the cereal crop harvest, but caused soil to become dry in the Northwest, Central and Eastern Regions which adversely affected the development of full-season crops such as corn, sunflowers and potatoes. Swathing of canola was well advanced by mid-August and it was reported that levels of blackleg and sclerotina disease generally remained low. Some producers in the Eastern Region were able to get a third cut of alfalfa at the end of the month.

Although fall tillage was started in the Central Region in August, there was limited progress in the Central, Southwest and Northwest Regions due to dry soil conditions. Cereal crop harvesting was almost complete in the Central, Southwest, Interlake and Eastern Regions by mid-September, but cool, showery weather slowed the harvest of other crops in these regions and cereals in the Northwest Region. By the end of September, 90 per cent of the canola crop, 80 per cent of the flax crop and 50-75 per cent of the grain corn crop had been harvested. Sunflower harvesting started in the third week of September. September rainfall increased soil moisture levels, which benefitted fall fertilizer and herbicide application. However, subsoil moisture reserves in the Northwest Region still were considered to be fair to poor. By the first week of October, heavy frosts stopped fall herbicide spraying in parts of the Southwest Region. At this time, small areas of wheat, canola and flax still had to be combined on wet fields. The corn, sugar beet and sunflower harvests were progressing well, but were only completed by early November.

WHEAT

About 2 173 100 hectares of wheat (5,369,700 acres) were harvested in 1991. Total production was estimated at 4 806 300 tonnes (176,600,000 bushels), a drop of 18.3 per cent below the 1990 level. The 1991 wheat crop had an estimated value of production of $495.0 million, a 22.8 per cent decrease from the revised 1990 value of $641.4 million. The area harvested, average yields and total production for 1990 and 1991 are shown below.

TABLE 13: Area, Yield and Production of All Wheat, 1990[R], 1991[P]

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
	1990	1991	1990	1991	1990	1991	91/90
1	307.1	322.8	2.54	2.03	781.1	655.9	84
2	275.4	253.5	2.59	2.15	713.0	544.3	76
3	242.1	242.4	2.70	2.27	653.2	549.7	84
4	105.2	96.1	2.69	2.35	283.0	225.9	80
5	95.0	108.4	2.63	2.41	250.4	261.3	104
6	138.9	150.4	2.53	2.13	351.1	321.1	91
7	294.1	289.5	2.81	2.46	827.3	713.1	86
8	396.8	378.2	2.89	2.32	1 148.9	876.3	76
9	169.0	152.9	2.51	1.89	424.6	288.5	68
10	21.0	19.1	2.19	1.43	46.3	27.2	59
11	104.8	105.0	2.52	2.10	264.0	220.4	84
12	56.1	54.7	2.52	2.24	141.5	122.5	87
PROVINCE	**2 205.5**	**2 173.1**	**2.67**	**2.21**	**5 884.4**	**4 806.3**	**82**

Agricultural Region	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
	1990	1991	1990	1991	1990	1991	91/90
1	758.8	797.7	37.9	30.2	28,700	24,100	84
2	680.5	626.5	38.5	31.9	26,200	20,000	76
3	598.2	599.0	40.2	33.7	24,000	20,200	84
4	260.0	237.5	40.1	34.9	10,400	8,300	80
5	234.9	268.0	39.0	35.8	9,200	9,600	104
6	343.3	371.7	37.5	31.5	12,900	11,800	91
7	726.7	715.3	41.8	36.6	30,400	26,200	86
8	980.5	934.5	43.1	34.6	42,200	32,200	76
9	417.5	377.7	37.3	28.1	15,600	10,600	68
10	52.2	47.1	31.9	21.2	1,700	1,000	59
11	259.0	259.5	37.6	31.2	9,700	8,100	84
12	138.5	135.1	37.2	33.3	5,200	4,500	87
PROVINCE	**5,450.0**	**5,369.7**	**39.7**	**32.9**	**216,200**	**176,600**	**82**

NOTE: Totals may not all add due to rounding.

SOURCE: Statistics Canada, Manitoba Agriculture.

MAP 3: Wheat Acres, 1991 Census by Rural Municipality

Number

1353 to 10000

10001 to 30000

30001 to 60000

60001 to 100000

100001 to 143307

Durum wheat is included with total wheat production statistics. In 1991 the harvested area was estimated at 101 200 hectares (250,000 acres), unchanged from the 1990 level. Average yield was 2 180 kilograms per hectare (32.4 bushels per acre) compared to 2 770 kilograms (41.3 bushels) in 1990. Total production was estimated at 220 400 tonnes (8,100,000 bushels), a decrease of 38.6 per cent from 1990.

TABLE 14: Area, Yield and Production of Durum Wheat, 1990[r], 1991[p]

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change
	1990	1991	1990	1991	1990	1991	% 91/90
1	37.4	36.0	2.50	1.88	93.3	67.7	72
2	31.1	18.9	2.71	2.31	84.1	43.7	52
3	17.8	8.8	2.90	2.39	51.4	21.0	41
4	4.1	1.9	2.74	2.04	11.2	3.8	34
5	1.1	1.6	2.70	2.20	3.0	3.5	118
6	4.4	5.0	2.76	1.57	12.2	7.9	64
7	4.4	5.5	3.43	2.12	15.2	11.7	77
8	25.9	18.6	3.07	2.63	79.5	48.9	62
9	1.9	2.2	2.80	2.51	5.2	5.4	105
10	-	-	-	-	-	-	-
11	1.1	1.9	2.70	2.48	3.0	4.6	155
12	0.4	0.9	2.94	2.54	1.1	2.2	200
PROVINCE	129.5	101.2	2.77	2.18	359.2	220.4	61

Agricultural Region	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change
	1990	1991	1990	1991	1990	1991	% 91/90
1	92.3	88.8	37.2	28.0	3,430	2,480	72
2	76.8	46.8	40.2	34.4	3,090	1,610	52
3	43.9	21.7	43.0	35.3	1,890	770	41
4	10.1	4.6	40.3	31.4	410	140	34
5	2.7	4.0	41.1	31.9	110	130	118
6	11.0	12.5	41.3	23.6	450	290	64
7	11.0	13.7	51.0	31.4	560	430	77
8	64.0	45.9	45.6	39.3	2,920	1,800	62
9	4.6	5.4	41.2	37.3	190	200	105
10	-	-	-	-	-	-	-
11	2.7	4.6	41.1	36.0	110	170	155
12	0.9	2.1	40.8	36.0	40	80	200
PROVINCE	320.0	250.0	41.3	32.4	13,200	8,100	61

SOURCE: Statistics Canada, Manitoba Agriculture

TABLE 15: Area, Yield and Production of Spring Wheat, 1990[r], 1991[p]

Agricultural Region	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change
	1990	1991	1990	1991	1990	1991	% 91/90
1	265.2	283.6	2.54	2.05	675.0	582.4	86
2	237.9	233.3	2.63	2.15	626.1	500.8	80
3	221.9	233.7	2.70	2.26	598.8	528.0	88
4	100.9	94.0	2.70	2.35	272.2	220.4	81
5	93.2	106.7	2.60	2.42	242.2	258.5	107
6	134.9	145.4	2.50	2.15	337.5	313.0	93
7	290.6	283.6	2.79	2.48	811.1	702.2	87
8	370.3	358.2	2.89	2.30	1 069.7	824.7	77
9	168.0	151.1	2.50	1.86	419.1	280.3	67
10	21.3	18.9	2.18	1.44	46.3	27.2	59
11	103.8	103.7	2.52	2.07	261.3	215.0	82
12	56.0	53.7	2.48	2.23	138.8	119.7	86
PROVINCE	2 063.9	2 065.8	2.66	2.21	5 498.0	4 572.3	83

Agricultural Region	Harvested Acres (000) 1990	1991	Yield per Acre (bushels) 1990	1991	Production (000 bushels) 1990	1991	Change % 91/90
1	655.4	700.8	37.8	30.5	24,800	21,400	86
2	587.8	576.5	39.2	31.9	23,000	18,400	80
3	548.4	577.5	40.1	33.6	22,000	19,400	88
4	249.4	232.3	40.0	34.9	10,000	8,100	81
5	230.3	263.7	38.8	36.0	8,900	9,500	107
6	333.3	359.2	37.3	31.9	12,400	11,500	93
7	718.0	700.9	41.5	36.8	29,800	25,800	87
8	915.0	885.1	42.9	34.3	39,300	30,300	77
9	415.1	373.3	37.1	27.7	15,400	10,300	67
10	52.5	46.6	31.7	20.9	1,700	1,000	59
11	256.5	256.2	37.4	30.9	9,600	7,900	82
12	138.4	132.7	37.0	33.0	5,100	4,400	86
PROVINCE	**5,100.0**	**5,104.7**	**39.6**	**32.9**	**202,000**	**168,000**	**83**

SOURCE: Statistics Canada, Manitoba Agriculture.

TABLE 16: Area, Yield and Production of Winter Wheat, 1990[R], 1991[P]

Agricultural Region	Harvested Hectares (000) 1990	1991	Yield per Hectare (tonnes) 1990	1991	Production (000 tonnes) 1990	1991	Change % 91/90
1	2.47	3.04	2.06	2.37	5.1	7.2	141
2	4.82	0.30	2.31	1.92	11.1	0.6	5
3	2.02	-	2.27	-	4.6	-	-
4	0.45	0.61	2.26	2.24	1.0	1.4	135
5	1.29	0.30	2.25	1.92	2.9	0.6	20
6	-	-	-	-	-	-	-
7	0.45	-	2.26	-	1.0	-	-
8	0.24	0.91	2.47	1.92	0.6	1.7	292
9	-	0.92	-	2.35	-	2.1	-
10	-	-	-	-	-	-	-
11	0.40	-	2.22	-	0.9	-	-
12	-	-	-	-	-	-	-
PROVINCE	**12.14**	**6.07**	**2.24**	**2.24**	**27.2**	**13.6**	**50**

Agricultural Region	Harvested Acres (000) 1990	1991	Yield per Acre (bushels) 1990	1991	Production (000 bushels) 1990	1991	Change % 91/90
1	6.1	7.5	31	34.9	187	264	141
2	11.9	0.8	34	28.3	408	21	5
3	5.0	-	34	-	169	-	-
4	1.1	1.5	34	33.0	37	50	135
5	3.2	0.8	33	28.3	107	21	20
6	-	-	-	-	-	-	-
7	1.1	-	34	-	37	-	-
8	0.6	2.3	37	28.3	22	64	292
9	-	2.3	-	34.6	-	79	-
10	-	-	-	-	-	-	-
11	1.0	-	33	-	33	-	-
12	-	-	-	-	-	-	-
PROVINCE	**30.0**	**15.0**	**33**	**33.3**	**1,000**	**500**	**50**

SOURCE: Statistics Canada, Manitoba Agriculture.

OATS

Total production of oats for grain in 1991 was estimated at 222 100 tonnes (14.4 million bushels) with a total farm value of $18.7 million, down 17.6 per cent from the revised value of $22.7 million in 1990. The reduced crop value was due to the lower production levels. This does not include the value of the oats cut for hay or silage. In 1991, about 46 100 hectares (114,000 acres) of oats were planted and cut for hay or silage.

TABLE 17: Area, Yield and Production of Oats, 1990[R], 1991[P]

Agricultural Region	Seeded Hectares (000)		Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
	1990	1991	1990	1991	1990	1991	1990	1991	91/90
1	14.9	16.1	10.8	11.3	2.30	2.06	25.0	23.3	93
2	27.6	24.5	22.4	17.2	2.39	2.05	53.4	35.3	66
3	18.2	13.3	13.9	9.4	2.44	2.21	33.9	20.7	61
4	8.2	7.2	6.8	5.0	2.37	2.02	16.0	10.2	63
5	10.4	6.3	8.8	4.4	2.08	1.78	18.4	7.9	43
6	23.5	17.5	17.6	12.3	2.00	2.23	35.2	27.5	78
7	31.6	27.5	25.1	19.3	2.18	1.98	54.6	38.2	70
8	13.8	10.7	11.9	7.5	2.71	2.29	32.1	17.3	54
9	8.9	11.0	6.8	7.7	2.55	1.71	17.3	13.3	77
10	3.0	3.4	2.4	2.4	2.34	0.77	5.6	1.9	33
11	11.5	6.3	8.1	4.4	2.50	2.17	20.4	9.6	47
12	14.5	11.7	11.2	8.2	2.47	2.09	27.6	17.1	62
PROVINCE	**186.2**	**155.4**	**145.7**	**109.3**	**2.33**	**2.03**	**339.3**	**222.1**	**65**

Agricultural Region	Seeded Acres (000)		Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
	1990	1991	1990	1991	1990	1991	1990	1991	91/90
1	36.8	39.8	26.8	28.0	60.3	53.9	1,620	1,510	93
2	68.1	60.5	55.3	42.5	62.7	53.9	3,460	2,290	66
3	45.1	32.9	34.3	23.1	64.0	57.9	2,200	1,340	61
4	20.2	17.7	16.7	12.4	61.9	53.2	1,040	660	63
5	25.8	15.5	21.8	10.9	54.7	46.6	1,190	510	43
6	58.0	43.2	43.5	30.4	52.4	58.7	2,280	1,780	78
7	78.2	67.9	62.0	47.7	57.2	52.1	3,540	2,480	70
8	34.0	26.5	29.3	18.6	71.1	59.9	2,080	1,120	54
9	22.1	27.2	16.7	19.1	66.8	44.9	1,120	860	77
10	7.4	8.5	5.9	6.0	61.6	20.0	360	120	33
11	28.5	15.5	20.1	10.9	65.6	56.6	1,320	620	47
12	35.9	28.8	27.6	20.3	64.9	54.9	1,790	1,110	62
PROVINCE	**460.0**	**384.0**	**360.0**	**270.0**	**61.1**	**53.3**	**22,000**	**14,400**	**65**

SOURCE: Statistics Canada, Manitoba Agriculture.

BARLEY

Barley production in 1991 was 1 426 100 tonnes (65,500,000 bushels), down 27.2 per cent from the 1990 level. Five hundred and six thousand hectares (1,250,000 acres) were harvested, yielding an average of 2 820 kilograms per hectare (52.4 bushels per acre). The total farm value of production was $115.5 million, a decrease of 25 per cent from the 1990 level, not including the value of the crop cut for hay or silage. The area, yield and production of the 1990 and 1991 barley crops are shown below. Thirty-eight thousand, six hundred hectares (95,400 acres) were planted and cut for fodder in 1991.

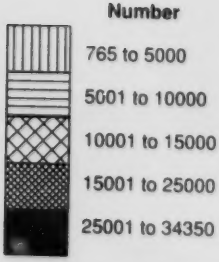
TABLE 18: Area, Yield and Production of Barley, 1990[r], 1991[p]

Agricultural	Seeded Hectares (000)		Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	54.8	55.7	53.3	51.8	3.39	2.78	180.7	143.7	80
2	92.1	80.1	90.1	74.4	3.36	2.81	302.6	209.0	69
3	95.3	76.8	90.5	71.4	3.35	2.87	302.6	204.7	68
4	24.6	23.8	24.3	22.1	3.14	2.75	76.2	61.0	80
5	30.2	18.3	28.6	17.0	2.97	2.81	84.9	47.9	56
6	35.3	30.8	34.1	28.7	3.13	2.89	106.7	82.7	78
7	85.0	70.5	78.3	65.5	3.22	2.89	252.6	189.4	75
8	100.1	80.4	98.3	74.7	3.41	2.97	335.3	222.1	66
9	48.8	44.2	47.0	41.1	2.73	2.44	128.5	100.2	78
10	7.5	5.9	7.4	5.5	2.63	2.40	19.6	13.1	67
11	36.9	38.5	31.7	35.8	3.02	2.74	95.8	98.0	102
12	24.6	19.3	23.5	18.0	3.15	3.03	74.0	54.4	74
PROVINCE	**635.4**	**544.5**	**607.0**	**505.9**	**3.23**	**2.82**	**1 959.5**	**1 426.1**	**73**

Agricultural	Seeded Acres (000)		Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	135.4	137.7	131.6	127.9	62.7	51.6	8,300	6,600	80
2	227.7	197.9	222.6	183.9	62.3	52.5	13,900	9,600	69
3	235.5	189.8	223.5	176.3	62.0	53.5	13,900	9,400	68
4	60.8	58.9	60.0	54.7	58.6	50.6	3,500	2,800	80
5	74.6	45.3	70.6	42.1	55.5	52.0	3,900	2,200	56
6	87.3	76.2	84.2	70.8	57.8	53.3	4,900	3,800	78
7	210.0	174.3	193.5	161.9	60.0	53.9	11,600	8,700	75
8	247.3	198.7	243.0	184.6	63.5	55.6	15,400	10,200	66
9	120.7	109.2	116.1	101.5	51.2	45.0	5,900	4,600	78
10	18.6	14.5	18.4	13.5	49.5	43.1	900	600	67
11	91.3	95.1	78.4	88.4	56.5	51.1	4,400	4,500	102
12	60.8	47.8	58.1	44.4	58.2	56.2	3,400	2,500	74
PROVINCE	**1,570.1**	**1,345.4**	**1,500.0**	**1,250.0**	**60.0**	**52.4**	**90,000**	**65,500**	**73**

SOURCE: Statistics Canada, Manitoba Agriculture

MAP 4: Barley Acres, 1991 Census by Rural Municipality



RYE

Total farm value of rye production was estimated at $4.1 million in 1991, 55 per cent less than 1990. The harvested area was 32 000 hectares (79,000 acres) in 1991 compared to 72 800 hectares (180,000 acres) in 1990. The average yield was estimated at 1 906 kilograms per hectare (30.4 bushels per acre) in 1991 compared to 2 163 kilograms per hectare (34.4 bushels per acre) in 1990.

TABLE 19: Area, Yield and Production of All Rye, 1990[r], 1991[p]

	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	14.6	6.8	2.21	1.83	32.3	12.4	39
2	19.0	10.0	1.98	1.93	37.6	19.3	51
3	4.3	2.8	2.20	1.82	9.4	5.1	54
4	1.6	1.2	2.29	2.12	3.6	2.5	71
5	0.9	1.2	2.19	2.12	2.0	2.5	125
6	1.0	0.8	2.56	2.54	2.5	2.0	80
7	24.0	6.0	2.20	1.70	52.8	10.2	19
8	5.9	2.0	2.41	2.54	14.2	5.1	36
9	1.0	0.8	1.48	1.59	1.5	1.3	83
10	0.3	0.4	2.56	1.27	0.8	0.5	67
11	0.2	–	2.56	–	0.5	–	–
12	0.1	–	1.92	–	0.3	–	–
PROVINCE	**72.8**	**32.0**	**2.16**	**1.91**	**157.5**	**61.0**	**39**

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	36.0	16.8	35.3	29.1	1,270	490	39
2	46.9	24.7	31.5	30.6	1,480	760	51
3	10.6	6.9	35.1	29.5	370	200	54
4	3.8	3.0	35.9	33.5	140	100	71
5	2.3	3.0	34.7	33.5	80	100	125
6	2.5	2.0	42.1	39.6	100	80	80
7	59.3	14.8	35.2	26.7	2,080	400	19
8	14.6	4.9	38.3	41.2	560	200	36
9	2.5	2.0	24.7	26.4	60	50	83
10	0.7	1.0	34.5	21.1	30	20	67
11	0.5	–	34.4	–	20	–	–
12	0.3	–	34.4	–	10	–	–
PROVINCE	**180.0**	**79.0**	**34.4**	**30.4**	**6,200**	**2,400**	**39**

SOURCE: Statistics Canada, Manitoba Agriculture.

MIXED GRAINS

An estimated 30 600 tonnes (1.5 million bushels) were produced in 1991. This level of production was 15 per cent higher than in 1990. Harvested area in 1991 was 12 100 hectares (30,000 acres), an increase of 11 per cent from the 1990 level. Mixed grains total value of production in 1991 was $2.4 million, 14.2 per cent more than the 1990 value of $2.1 million. This does not include the value of the mixed grains harvested as hay or silage.

CANOLA

The area of canola harvested was 507 800 hectares (1,254,700 acres) in 1991, 44.2 per cent more than in 1990. The average yield was estimated at 1 570 kilograms per hectare (28.0 bushels per acre). The total value of farm production from canola was estimated at $187.1 million, 60 per cent higher than in 1990.

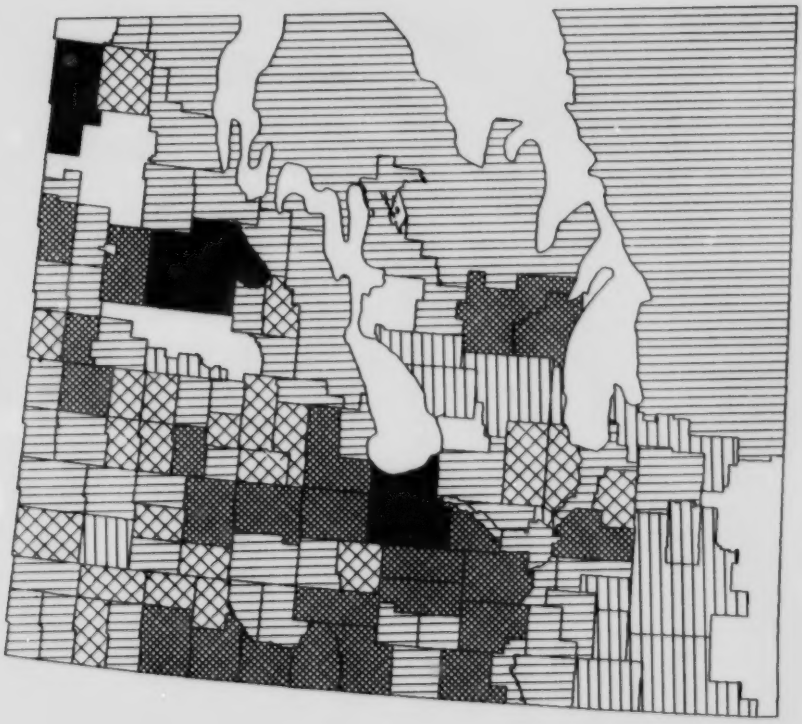
TABLE 20: Area, Yield and Production of Canola, 1990[r], 1991[p]

	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	38.6	46.9	1.01	1.67	39.0	78.2	201
2	24.3	42.0	1.30	1.69	31.5	71.0	225
3	48.8	65.8	1.50	1.66	73.0	109.1	149
4	27.6	34.0	1.44	1.48	39.7	50.3	127
5	21.2	26.8	1.26	1.65	26.8	44.2	165
6	38.1	56.4	1.35	1.65	51.5	93.0	181
7	58.1	80.6	1.42	1.51	82.3	121.8	148
8	49.4	75.6	1.26	1.54	62.1	116.6	188
9	17.3	25.1	1.16	1.31	20.0	32.9	165
10	2.5	5.7	1.08	1.31	2.7	7.5	275
11	12.3	20.3	1.12	1.32	13.8	26.8	193
12	13.8	28.5	1.30	1.57	17.9	44.7	249
PROVINCE	**352.1**	**507.8**	**1.31**	**1.57**	**460.4**	**796.1**	**173**

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	95.4	116.0	18.0	29.7	1,720	3,450	201
2	60.1	103.8	23.2	30.2	1,390	3,130	225
3	120.5	162.7	26.7	29.5	3,220	4,810	149
4	68.2	84.0	25.7	26.4	1,750	2,220	127
5	52.4	66.2	22.6	29.4	1,180	1,950	165
6	94.1	139.4	24.1	29.4	2,270	4,100	181
7	143.6	199.2	25.3	26.9	3,630	5,370	148
8	122.2	186.8	22.4	27.5	2,740	5,140	188
9	42.7	61.9	20.7	23.4	880	1,450	165
10	6.2	14.1	18.7	23.4	120	330	275
11	30.4	50.2	20.2	23.4	610	1180	193
12	34.2	70.4	23.0	28.0	790	1,970	249
PROVINCE	**870.0**	**1,254.7**	**23.3**	**28.0**	**20,300**	**35,100**	**173**

SOURCE: Statistics Canada, Manitoba Agriculture.

MAP 5: Canola Acres, 1991 Census by Rural Municipality



Number

245 to 2500

2501 to 10000

10001 to 15000

15001 to 30000

30001 to 44430

FLAXSEED

In 1991, 330 200 tonnes (13.0 million bushels) were harvested, down 13.3 per cent from 1990. The decrease in 1991 production was the result of a 15.3 per cent decline in harvested area relative to 1990. Manitoba farmers contributed an estimated 52.0 per cent of Canadian production. The estimated total value of the 1991 crop was $51.8 million, a 35 per cent drop from 1990.

TABLE 21: Area, Yield and Production of Flaxseed, 1990[r], 1991[p]

	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (000 tonnes)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	33.7	25.0	1.18	1.37	39.6	34.3	87
2	18.6	15.8	1.24	1.25	23.1	19.8	86
3	19.3	14.9	1.55	1.55	30.0	23.1	77
4	3.7	3.0	1.38	1.61	5.1	4.8	95
5	9.4	7.0	1.22	1.38	11.4	9.7	84
6	24.0	10.6	1.27	1.41	30.5	15.0	49
7	57.1	51.7	1.33	1.35	76.2	69.6	91
8	64.8	56.7	1.32	1.42	85.6	80.5	94
9	27.8	33.5	1.28	1.13	35.6	37.8	106
10	6.4	4.8	1.32	1.01	8.4	4.8	58
11	20.5	20.4	1.15	1.15	23.6	23.4	99
12	10.1	6.8	1.18	1.08	11.9	7.4	62
PROVINCE	**295.4**	**250.1**	**1.29**	**1.32**	**381.0**	**330.2**	**87**

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)		Change %
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**91/90**
1	83.2	61.7	18.8	22.0	1,560	1,350	87
2	46.1	39.1	19.8	20.1	910	780	86
3	47.7	36.9	24.7	24.8	1,180	910	77
4	9.1	7.4	21.6	25.4	200	190	95
5	23.2	17.3	19.4	22.0	450	380	84
6	59.4	26.2	20.2	22.8	1,200	590	49
7	141.2	127.7	21.3	21.6	3,000	2,740	91
8	160.1	140.0	21.1	23.0	3,370	3,170	94
9	68.8	82.8	20.3	18.1	1,400	1,490	106
10	15.7	11.8	20.8	16.6	330	190	58
11	50.6	50.3	18.3	18.4	930	920	99
12	25.0	16.8	18.9	17.1	470	290	62
PROVINCE	**730.0**	**618.0**	**20.5**	**21.0**	**15,000**	**13,000**	**87**

SOURCE: Statistics Canada, Manitoba Agriculture.

TABLE 22: Area, Yield and Production of Major Grains & Oilseeds, 1990[r], 1991[p]

	Area (000 ha)		Production (000 tonnes)		Year-to-Year Change (per cent)		Distribution of Prod'n (per cent)	
Agricultural Region	**1990**	**1991**	**1990**	**1991**	**Area**	**Prod'n**	**1990**	**1991**
1	458	465	1 098	948	101	87	12	12
2	450	413	1 161	899	92	77	13	12
3	419	407	1 102	912	97	82	12	12
4	169	161	424	355	95	84	5	5
5	164	165	394	373	101	92	4	5
6	254	259	577	541	102	94	6	7
7	537	513	1 346	1 142	96	85	15	15
8	627	595	1 678	1 318	95	78	18	17
9	269	261	627	474	97	76	7	6
10	40	38	83	55	94	66	1	1
11	178	186	418	378	105	90	5	5
12	115	116	273	246	101	89	3	3
PROVINCE	**3 679**	**3 578**	**9 182**	**7 642**	**97**	**83**	**100**	**100**

Agricultural Region	Area (000 acres) 1990	1991	Production (000 bushels) 1990	1991	Year-to-Year Change (per cent) Area	Prod'n	Distribution of Prod'n (per cent) 1990	1991
1	1,132	1,148	43,170	37,500	101	87	12	12
2	1,111	1,021	47,340	36,560	92	77	13	12
3	1,035	1,005	44,870	36,860	97	82	12	12
4	418	399	17,030	14,270	95	84	5	5
5	405	407	16,000	14,740	101	92	4	5
6	627	640	23,650	22,150	102	94	6	7
7	1,326	1,267	54,250	45,890	96	85	15	15
8	1,550	1,469	66,350	52,030	95	78	18	17
9	664	645	24,960	19,050	97	76	7	6
10	99	93	3,440	2,260	94	66	1	1
11	439	459	16,980	15,320	105	90	5	5
12	284	287	11,660	10,370	101	89	3	3
PROVINCE	**9,090**	**8,841**	**369,700**	**307,000**	**97**	**83**	**100**	**100**

SOURCE: Statistics Canada, Manitoba Agriculture.

SPECIALTY CROPS

The 1991 production year was not as favourable as the excellent 1990 crop year. As a result, crop yields were lower for dry peas, lentils, sunflower seed and canary seed. However with increased areas of grain corn, sunflower seed, dry peas and lentils, total specialty crop production in 1991 rose by 23 per cent from the 1990 level.

Specialty crops, excluding horticultural, forage seed and hay crops, were harvested on approximately 277 100 hectares (684,700 acres) in Manitoba in 1991. This represents approximately 7 per cent of the total area of field crops, excluding hay.

Specialty crops grown in Manitoba include those shown in the summary Table 3 and in the historical tables. In addition, there are a number of other specialty crops grown on a limited basis such as triticale, safflower and soybeans. Manitoba also produces such crops as wild rice, and a number of spice or essential oil crops like dill, and occasionally, or on a very limited basis, caraway, coriander and evening primrose. The investigation and adaptation of new and alternate crops and varieties through field trials is conducted on an on-going basis through the Soils and Crops Branch of Manitoba Agriculture in cooperation with producers, industry, the University of Manitoba and Agriculture Canada. Crops tested or observed in recent years have included borage, chick peas, coriander, fenugreek, horseradish, Japanese millet, Jerusalem artichoke, lathyrus, lupins, oilseed radish and quinoa, as well as a number of varieties of other major or specialty crops.

Grain Corn

Grain corn plantings in 1991 were estimated at 40 500 hectares (100,000 acres), up 18 per cent from 1990. With improved yields, the estimated total production of 205 700 tonnes (8.1 million bushels) was up 25 per cent from the 1990 level. The total value of production in 1991 was estimated at $21.6 million, 19 per cent more than 1990.

Sunflower Seed

The 1991 sunflower area was estimated at 73 800 hectares (182,400 acres), up 30 per cent from 1990. The average yield was estimated at 1 684 kilograms per hectare (1,502 pounds per acre) about 5 per cent lower than in 1990. Total production of sunflower seed was 124 300 tonnes (274 million pounds), a 23 per cent increase over 1990. In 1991, about half of the sunflower plantings were non-oilseed or confectionary varieties. The value of sunflower production was estimated at $27.3 million in 1991, 15 per cent more than in 1990.

Buckwheat

Approximately 15 700 hectares (38,700 acres) of buckwheat were harvested in Manitoba in 1991, 22 per cent less than in 1990. The average yield was estimated at 1 110 kilograms per hectare (20.7 bushels per acre), compared to 1 079 kilograms per hectare (20 bushels per acre) in 1990. The total production was 17 400 tonnes (0.8 million bushels) in 1991, 20 per cent less than in 1990. This represented 75 per cent of the total Canadian crop. The total value of the Manitoba buckwheat crop in 1991 was estimated at $3.2 million, with the average price to the producer up from 1990.

Canary Seed

The area of canary seed harvested in 1991 was about 8 100 hectares (20,100 acres), a 33 per cent decline from 1990. The total production was about 7 300 tonnes (16 million pounds) in 1991 compared to 18 100 tonnes (40 million pounds) in 1990. The value of the crop to Manitoba producers was about $1.2 million in 1991.

Dry Beans

In 1991, the Census of Agriculture showed 15 200 hectares (37,500 acres) of dry beans were planted in Manitoba. About 10 350 hectares (25,600 acres) were in white navy beans, with most of the remaining area in pinto beans and smaller areas in dark red kidney, cranberry or black beans. The area in beans was 10 per cent less than in 1990.

The average yield of white navy beans was about 1 265 kilograms per hectare (1,125 pounds per acre), producing a total of 13 100 tonnes. The average price for Manitoba navy beans is estimated at 33.65 cents per kilogram (15.3 cents per pound), giving a total crop value for the year of $4.40 million.

Pinto beans were produced on about 4 200 hectares (10,400 acres) in 1991, with an average yield of about 1 490 kilograms per hectare (1,330 pounds per acre). The average price for pintos was estimated at 32.30 cents per kilogram (14.7 cents per pound) in 1991. This gave a total pinto bean crop of 6 250 tonnes, with a value of $2.02 million.

The remainder of the bean area included dark red kidney and cranberry beans and black beans. In 1991, about 490 hectares or 1,200 acres, produced dark red kidney and cranberry beans. Yields were in the 1 280 kilograms per hectare (1,140 pounds per acre) range and total production of kidney beans was about 630 tonnes. With an average price of about 56.6 cents per kilogram (25.7 cents per pound) the total value was $0.35 million. There were about 160 hectares (400 acres) of black beans which produced approximately 230 tonnes of beans. At an average price of 32.30 cents per kilogram (14.7 cents per pound) the total value was close to $0.08 million in 1991.

The total farm gate value of all beans in Manitoba in 1991 was estimated to be $6.85 million, from a production of 20 210 tonnes.

Dry Peas

The area in dry peas in 1991 was estimated at 51 600 hectares (127,400 acres), compared to 36 400 hectares (90,000 acres) in 1990. The average yield was estimated at 1 637 kilograms per hectare (24.3 bushels per acre), 19 per cent less than the 1990 yield. Manitoba's total production of 84 400 tonnes (3.1 million bushels), was up 15 per cent from 1990, and represented 21 per cent of the total pea production in Western Canada. The value of the Manitoba crop was estimated at $13.9 million in 1991, 6 per cent more than in 1990.

Fababeans

In 1991, about 900 hectares (2,147 acres) of fababeans were sown in Manitoba. Prices paid were close to $176 per tonne (8¢ per pound) again this year, so that the total crop was worth almost $0.4 million.

Lentils

The area of lentils harvested doubled in 1991 to approximately 54 000 hectares (133 500 acres). The average yield was about 1 184 kilograms per hectare (1,056 pounds per acre), compared to 1 709 kilograms per hectare (1,527 pounds per acre) in 1990. As a result of increased crop area, total production almost doubled from 38 000 tonnes (84 million pounds) in 1990 to 64 000 tonnes (141 million pounds) in 1991. This represented about 19 per cent of Canadian production in 1991. The value of Manitoba production was about $20.2 million, compared with a 1990 value of $16.0 million.

Mustard Seed

The area seeded to mustards in 1991 was estimated at 6 600 hectares (16,300 acres), approximately 35 per cent less than in 1990. The area in Manitoba was about 5.9 per cent of the total area in mustard in Western Canada. Most of the provincial production was in yellow mustard but smaller amounts of brown and Oriental mustards are also grown. Yields averaged 1 348 kilograms per hectare (1,214 pounds per acre), 3 per cent more than in 1990. The value to Manitoba producers of the 1991 mustard crop was about $2.0 million, 46 per cent less than in 1990.

Wild Rice

The reported harvest of wild rice in Manitoba in 1991 was 603 tonnes (1.33 million pounds), 21 per cent more than in 1990. This production is reported on a producer or green basis at 50-60 per cent moisture. The value to producers of 1990 marketings was estimated at $935,000, while the 1991 crop was valued at $1,064,000. Four processing plants in the province cure, parch and then market the wild rice at close to 8 per cent moisture level. Wild rice from Manitoba is virtually all natural lake or river-grown with only one paddy rice farm. There are two major growing areas, one east of Lake Winnipeg in the Whiteshell area and one in the northwest around The Pas and Flin Flon, with a small amount from the Turtle Mountain area.

Fodder Corn

In 1991, 11 700 hectares (28,900 acres) of fodder corn were harvested, up by 44 per cent from the previous year. With improved yields, 317 500 tonnes (350,000 tons) of silage were produced, a 75 per cent increase over 1990. Estimated at $6.4 million in 1991, the value of production rose by 68 per cent over the 1990 value of $3.8 million.

Sugar Beets

The sugar beet harvested area was 10 707 hectares (26,456 acres) in 1991, down 2 per cent from 1990. The average yield was 42.35 tonnes per hectare (18.89 tons per acre). Total production was 453 600 tonnes (500,000 tons), valued at an estimated $13,154,000. In 1990, the total value of the crop was $12,760,000.

TAME HAY AND PASTURE

In 1991, the area in tame hay was estimated at 697 900 hectares (1,724,500 acres), a decrease of 3 per cent from the 1990 estimate. Hay production increased by 14.7 per cent to reach 3.5 million tonnes (3.9 million tons) in 1991. The estimated value of the 1991 crop was $159.8 million, up by 12.6 per cent from the 1990 level of $141.9 million.

While estimates of production of wild hay and other crops (wheat, millet) cut for hay are unknown, the area of improved pasture was estimated at 341 000 hectares (843,000 acres) in 1991.

TABLE 23: Area, Yield and Production of Tame Hay, 1990[a], 1991[p]

Agricultural Region	Harvested Hectares (000) 1990	1991	Yield per Hectare (tonnes) 1990	1991	Production (000 tonnes) 1990	1991	Change % 91/90
1	51.2	45.4	4.33	3.52	222	160	72
2	64.7	71.2	5.36	4.31	347	306	88
3	61.2	56.6	4.82	5.03	295	285	96
4	31.3	37.6	5.24	4.48	164	169	103
5	30.4	31.5	4.85	4.80	147	151	103
6	88.1	98.9	5.02	6.10	442	603	136
7	72.5	76.2	4.68	5.28	339	402	119
8	37.8	40.7	4.95	5.52	187	225	120
9	58.6	58.3	5.88	4.66	345	272	79
10	43.8	26.4	5.04	7.19	221	190	86
11	43.8	38.2	5.76	7.01	252	268	106
12	132.8	116.8	5.02	4.35	667	508	76
PROVINCE	**716.3**	**697.9**	**5.07**	**5.07**	**3 629**	**3 538**	**98**

Agricultural Region	Harvested Acres (000) 1990	1991	Yield per Acre (bushels) 1990	1991	Production (000 bushels) 1990	1991	Change % 91/90
1	126.6	112.2	1.93	1.57	245	176	72
2	159.8	175.8	2.39	1.92	382	338	88
3	151.3	139.8	2.15	2.25	325	314	96
4	77.2	93.0	2.34	2.00	181	186	103
5	75.1	77.9	2.16	2.14	162	167	103
6	217.8	244.3	2.24	2.72	488	665	136
7	179.1	188.4	2.09	2.35	374	443	119
8	93.3	100.6	2.21	2.46	206	248	120
9	144.8	144.1	2.62	2.08	380	299	79
10	108.3	65.2	2.25	3.21	244	209	86
11	108.3	94.3	2.57	3.13	278	295	106
12	328.3	288.7	2.24	1.94	735	560	76
PROVINCE	**1,770.0**	**1,724.5**	**2.26**	**2.26**	**4,000**	**3,900**	**98**

SOURCE: Statistics Canada, Manitoba Agriculture

TABLE 24: Area of Improved Pasture, 1990[a], 1991[p]

Agricultural Region	Hectares (000) 1990	1991	Acres (000) 1990	1991	Change % 91/90
1	24	24	60	59	98
2	32	38	80	93	116
3	27	35	66	87	132
4	21	25	51	63	123
5	20	21	49	52	105
6	32	49	80	121	151
7	34	45	83	110	133
8	20	19	50	46	93
9	14	12	35	30	86
10	8	7	19	16	86
11	13	14	32	35	108
12	38	54	95	132	139
PROVINCE	**283**	**341**	**700**	**843**	**120**

SOURCE: Statistics Canada.

TABLE 25: Area of Summerfallow, 1990[r], 1991[p]

Agricultural Region	Hectares (000) 1990	Hectares (000) 1991	Acres (000) 1990	Acres (000) 1991	Change % 91/90
1	33	27	81	66	82
2	40	43	99	106	106
3	79	66	195	164	84
4	37	35	92	87	94
5	25	19	63	47	75
6	36	30	89	73	82
7	21	17	51	41	80
8	9	10	23	25	106
9	14	11	34	28	81
10	10	7	24	18	76
11	13	11	33	28	84
12	26	21	65	53	80
PROVINCE	**344**	**297**	**850**	**734**	**86**

SOURCE: Statistics Canada.

POTATOES

The areas of potatoes planted and harvested in 1991 were 20 023 hectares (49,478 acres) and 18 210 hectares (45,000 acres) respectively.

In most areas spring planting conditions were very good with most planting completed by the end of the third week of May. Excessive rainfall in late June and early July resulted in delayed hilling operations and some "drown outs", which even approached 25 per cent in some areas. Dry conditions from mid-July to harvest required many growers to continue operating irrigation systems to meet peak crop demands during that period. The early table potato harvest began in the third week of July. Growers of processing potatoes started digging on September 11th, with most of the crop harvested by October 11th with no serious setbacks. Overall, the processing crop came within 95 per cent of contracted volumes. Carberry growers produced an average crop with small shortages in Winkler and Portage la Prairie.

Estimated marketed production and value is as follows:

	Marketings (000 cwt)	Marketings (tonnes)	Value ($000)
Processing	5,520.4	250 405	35,546.9
Seed	993.9*	45 083	8,945.1
Fresh Market	655.7	29 742	6,228.0
	7,170.0	**325 230**	**50,720.0**

* Total is gross production and does not reflect grower's own usage and seed used as processed crop.

VEGETABLES

The 1991-92 crop year was not a great one for Manitoba's vegetable industry. Heat in the spring hampered growth of early cole and asparagus crops, while heavy rain in late June and July resulted in loss of a portion of the rutabaga crop. Insect and disease were prevalent with heavy losses in cole and lettuce crops. Although September weather conditions favoured the harvest of storage root crops, wet conditions in October prevented growers from harvesting an estimated five per cent of the carrot and 15 per cent of the parsnip crops.

Planted area increased by 10.6 per cent in 1991. Notable increases were in asparagus, carrots, cabbage, sweet corn, lettuce, bunch/green onions, green peas and vine crop production. Despite the periods of inclement weather and high level of insect and disease incidence, overall marketable quality was good. Unfortunately prices and yields ranged from average to below average.

TABLE 26: Area, Production and Value of Fresh Vegetables, 1991

	Planted Area (hectares)	Harvested Area (hectares)	Total Production (tonnes)	Marketings (tonnes)	Average Price ($/kg)	Total Value ($000)
Asparagus	40	33	86	78	2.47	193
Beans, green/wax	47	41	127	102	1.17	119
Beets	20	20	408	333	0.57	191
Broccoli	74	73	635	490	0.99	484
Cabbage	157	153	5 897	4 808	0.31	1,484
Carrots	197	189	7 711	6 350	0.40	2,562
Cauliflower	162	154	2 586	2 087	0.73	1,518
Celery, Parsley	35	32	907	726	0.44	320
Corn, sweet	335	315	3 992	3 175	0.33	1,050
Cucumbers	56	53	1 588	1 297	0.42	543
Lettuce	96	57	1 134	907	0.51	460
Onions, cooking/ Spanish	170	166	5 897	4 536	0.34	1,540
Onions, green	24	24	1 134	907	0.68	620
Onions, pickling	6	5	75	59	1.54	91
Onions, sets	40	38	431	363	1.61	584
Parsnips	32	28	726	608	1.03	625
Peas, green	82	49	61	49	2.14	105
Peppers	31	31	544	454	0.62	280
Radishes	19	18	150	122	0.73	89
Rutabagas	21	21	816	653	0.41	266
Spinach	11	11	22	18	2.65	47
Squash/Pumpkins/ Zucchini	46	40	454	363	0.29	104
Tomatoes	24	16	227	181	0.88	160
Others[1]	33	33				82
TOTAL	**1 760**	**1 600**				**13,517**

	Planted Area (acres)	Harvested Area (acres)	Total Production (000 lb)	Marketings (000 lb)	Average Price ($/lb)	Total Value ($000)
Asparagus	100	82	190	172	1.12	193
Beans, green/wax	117	102	280	224	0.53	119
Beets	49	49	900	735	0.26	191
Broccoli	184	180	1,400	1,080	0.448	484
Cabbage	387	377	13,000	10,600	0.14	1,484
Carrots	488	468	17,000	14,000	0.183	2,562
Cauliflower	401	380	5,700	4,600	0.33	1,518
Celery, Parsley	86	80	2,000	1,600	0.20	320
Corn, sweet	828	778	8,800	7,000	0.15	1,050
Cucumbers	138	130	3,500	2,860	0.19	543
Lettuce	237	140	2,500	2,000	0.23	460
Onions, cooking/ Spanish	420	410	13,000	10,000	0.154	1,540
Onions, green	59	59	2,500	2,000	0.31	620
Onions, pickling	15	12	165	130	0.70	91
Onions, sets	100	95	950	800	0.73	584
Parsnips	80	70	1,600	1,340	0.467	625
Peas, green	202	120	135	108	0.97	105
Peppers	77	77	1,200	1,000	0.28	280
Radishes	46	45	330	270	0.33	89
Rutabagas	53	51	1,800	1,440	0.185	266
Spinach	26	26	49	39	1.20	47
Squash/Pumpkins/ Zucchini	113	100	1,000	800	0.13	104
Tomatoes	60	40	500	400	0.40	160
Others[1]	82	82				82
TOTAL	**4,348**	**3,953**				**13,517**

[1] Includes brussel sprouts, eggplant, garlic, horseradish, herbs, melons and rhubarb.

SOURCE: Manitoba Agriculture, Statistics Canada.

ORNAMENTAL CROPS & FRUIT

Strawberries

There were 296 hectares (731 acres) planted to strawberries in 1991, of which 205 hectares (506 acres) were bearing fruit. Winter kill was not a major problem in 1990-91. However, excessive rainfall during the harvest season resulted in producers losing 50-90 per cent of their crops to fruit rot. Post-harvest weather favoured plant regrowth and rejuvenation and most plantings went into the fall in excellent condition. The heavy rainfall and early large snowfall caught about 90 percent of growers without protective straw mulch in place which may result in serious winter injury in 1991-92. Yields on some farms were as high as 13 500 kg/ha (12,000 lb/acre), but as about 60 per cent of the total crop was lost to fruit rot, average yields were reduced to about 2 200 kg/ha (2,000 lb/acre). New strawberry cultivars and increased grower awareness of market opportunities have increased sales through market stands, specialty outlets and for pre-picked customer orders. It is estimated that about 95 per cent of 1991 strawberry sales of 0.5 million kilograms (1.0 million pounds) were U-pick. Prices were similar to 1990 at $2.20-2.85/kg ($1.00-1.30/lb). The value of the 1991 crop was estimated at $1.2 million.

Raspberries

The area used for commercial raspberry production in 1991 was 48 hectares (119 acres) out of total raspberry plantings of 62 hectares (154 acres). About 13 hectares (33 acres) of raspberries were used for processing into juice and jam. The average marketable yield, at 2 800 kg/ha (2,500 lb/acre), was up significantly from 1990 due to favourable environmental conditions and enhanced market activity. Prices received by U-pick operations were $2.20-3.30/kg ($1.00-1.50/lb), while pre-picked raspberries sold for $3.30-4.40/kg ($1.50-2.00/lb). The value of raspberries destined for processing was $1.80/kg ($0.80/lb). The 1991 raspberry crop was valued at $0.4 million.

Saskatoons

The area planted to Saskatoons continued to increase in 1991, more than doubling to 30 hectares (90 acres). However, only about 12 hectares (30 acres) were bearing fruit. The weather had no significant effect on the Saskatoon crop, which yielded about 2 700 kg/ha (2,400 lb/acre). About 80-85 per cent of the crop was pre-picked for orders or fresh sales while 15-20 per cent was sold on a U-pick basis. Prices ranged from $4.40/kg ($2.00/lb) for U-pick to $5.50/kg ($2.50/lb) for wholesale custom picked for processing and $6.60/kg ($3.00/lb) for other custom picked. The estimated value of the 1991 Saskatoon crop was $0.18 million.

Apples

Although the 1991 Census of Agriculture reported 37 hectares (91 acres) of apple orchards in Manitoba with 22 hectares (55 acres) bearing fruit, it is estimated that about 14 hectares (35 acres) were used for commercial apple production in 1991. Yields were well below average due to hail damage, infestations of apple maggots and damage from fireblight disease. It is likely that about 60 per cent of the crop was lost and marketable yields averaged only 1 000 kg/ha (900 lb/acre). Prices were up from previous years and ranged from $0.70-1.30/kg ($0.30-0.60/lb) for wholesale sales and $0.90-2.70/kg ($0.40-1.25/lb) on a retail basis. The apple crop was valued at $0.02 million in 1991.

Pears and Plums

According to the 1991 Census of Agriculture, there were 14 acres of pear trees and 12 acres of plum trees in 1991.

Greenhouse Production

There were 131 262 m^2 (1.4 million square feet) of greenhouse operations reported by 19 respondents to the 1991 Census of Agriculture. Sales of greenhouse products continued to expand in 1991, with some growers reporting increases of 5-10 per cent over 1990. Although imported potted and tropical plants from B.C. were purchased by major chain stores, there were no bedding plant imports in 1991. A small percentage of local product was exported to North Dakota. Wholesale prices of bedding plant flats, at $8.50-9.00/flat, were similar to 1990 levels. The total value of greenhouse production in 1991 was estimated at $9.6 million, up by 1.5 per cent from 1990.

Mushrooms

Manitoba mushroom sales were close to 1.8 million kilograms (4 million pounds) in 1991, an average of 35 000 kilograms (76,000 pounds) per week. The wholesale price of mushrooms averaged $3.70/kg ($1.69/lb) in 1991 resulting in total sales of over $7.0 million.

Nursery Sod

The total sod area under cultivation in 1991 was 1 450 hectares (3,600 acres), an increase of 10 per cent from 1990. The estimated 400 hectares (1,000 acres) harvested in 1991 were valued at $1.74 million, down by 28 per cent from 1990.

Nursery Stock

Sales of nursery stock increased in 1991, but about 20 per cent of the product sold in Manitoba was imported, mainly from states such as Minnesota and California. Purchases of trees, shrubs and bushes for resale were valued at $1.3 million in 1991. About 5 per cent of Manitoba stock was exported to the U.S. Fireblight disease and insects resulted in local fruit tree losses of up to 30 per cent. The unexpected snowfall in October, 1991 forced some growers to leave about 20 per cent of their stock in the field, to be dug and potted the following spring. The estimated total area of outdoor plantings increased by 40 per cent to 1 000 hectares (2,471 acres) in 1991, while the net value of 1991 sales (less resales) was close to $5.0 million.

TABLE 27: Value of Production of Vegetables, Ornamental Crops & Fruit, 1991

	($000)
Potatoes	$50,720
Commercial Vegetables	13,517
Commercial Fruits	1,800
Environmentally Controlled Production (Greenhouse and Mushrooms)	16,600
Nursery Products and Sod	6,740
TOTAL	**$89,377**

SOURCE: Manitoba Agriculture, Statistics Canada.

SEED PRODUCTION

Forage Seeds: Total production of all forage seeds including foreign and private varieties decreased from 7 575 000 kilograms (16,700,000 pounds) in 1990 to 5 580 000 kilograms (12,300,000 pounds) in 1991. The total farm gate value decreased by 58 per cent from $8,210,600 to $4,800,000.

The production of all forage seed crops except Birdsfoot Trefoil, was significantly lower in 1991. In response to a low price cycle which started in 1988, the total acreage harvested in 1991 was down approximately 10 per cent from the previous year and by 30 per cent since 1988. The overall production of forage seed crops was 74 per cent of the 1990 level and only 50 per cent of the 1988 level.

On a more positive note, the prices received by producers for all grass seed crops strengthened in 1991. However, this could not offset a large price and production decline in alfalfa.

The following table indicates the production and average farm gate value for a combination of certified and common seed.

TABLE 28: Production and Value of Forage Seeds, 1991

	Production		Price per		Farm Value
	kilograms	pounds	kilogram	pound	
	(000)	(000)	$	$	($000)
Alfalfa	2 000	4,409	1.10	0.50	2,200
Birdsfoot Trefoil	275	606	2.65	1.20	729
Bromegrass	50	110	0.90	0.41	45
Creeping Red Fescue	15	33	0.90	0.41	14
Crested Wheatgrass	30	66	0.55	0.25	17
Kentucky Bluegrass	30	66	0.90	0.41	27
Reed Canary Grass	15	33	4.00	1.81	60
Red Clover (double cut)	15	33	1.00	0.45	15
Red Clover (single cut)	50	110	0.55	0.25	28
Sweet Clover	100	220	0.15	0.07	15
Timothy	3 000	6,614	0.55	0.25	1,650
TOTAL	**5 580**	**12,300**			**4,800**

SOURCE: Manitoba Agriculture.

Pedigreed Seed: Because of its importance in Manitoba agriculture, the area seeded to this type of crop is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators, but are considered in the total value of crop production.

TABLE 29: Area of Foundation, Registered and Certified Seed Production, 1989-1991

Kind of Crop	Hectares 1989	1990	1991
Wheat - Hard Spring	52 688	52 968	43 478
- Prairie Spring	1 638	–	–
- Soft White Spring	–	–	–
- Durum	6 901	5 647	3 436
- Utility	1 236	–	–
- Winter	123	85	18
Oats	3 215	1 981	1 257
Barley - 2-Row	1 264	699	3 316
- 6-Row	18 092	15 142	12 573
Rye - Fall	942	438	51
- Spring	51	42	93
Triticale	31	192	422
Flaxseed	11 245	12 736	11 286
Peas - Field	8 529	6 652	7 144
Beans - Faba	150	191	195
- Soybeans	80	–	–
- Field	259	200	92
Buckwheat	280	334	244
Canola (Rapeseed) - Argentine type	3 689	3 366	4 852
- Polish type	174	182	211
Alfalfa	8 434	8 225	9 037
Bromegrass	327	219	189
Kentucky Bluegrass	140	69	53
Meadow Fescue	170	26	–
Sweet Clover - Yellow Blossom	270	167	172
Timothy	16 318	13 319	10 554
Red Clover - Single- and Double-cut	87	6	80
Birdsfoot Trefoil	2 011	1 718	1 724
Mustard (Yellow & Brown)	280	822	276
Radish	–	–	–
Lentils	859	775	1 496
Canary Grass	212	389	74
Miscellaneous Grass Crops	256	410	153
TOTAL	**139 949**	**127 001**	**112 476**

NOTE: Included in the above total are 6 432 hectares (15,893 acres) of non-registered forage crop varieties grown for export in 1991, 5 827 hectares (14,400 acres) in 1990.

Kind of Crop	Acres		
	1989	1990	199
Wheat - Hard Red Spring	130,195	130,884	107,43
- Prairie Spring	4,047	–	
- Soft White Spring	–	–	
- Durum	17,053	13,954	8,49
- Utility	3,054	–	
- Winter	305	211	4
Oats	7,945	4,896	3,10
Barley - 2-Row	3,123	1,726	8,19
- 6-Row	44,706	37,417	31,06
Rye - Fall	2,327	1,081	12
- Spring	126	104	23
Triticale	76	475	1,04
Flaxseed	27,786	31,471	27,88
Peas - Field	21,076	16,437	17,65
Beans - Faba	371	473	48
- Soybeans	197	–	
- Field	639	495	22
Buckwheat	692	826	60
Canola (Rapeseed) - Argentine type	9,116	8,316	11,99
- Polish type	430	449	52
Alfalfa	20,840	20,325	22,33
Bromegrass	807	540	46
Kentucky Bluegrass	345	170	13
Meadow Fescue	420	65	
Sweet Clover - Yellow Blossom	667	413	42
Timothy	40,322	32,912	26,07
Red Clover - Single- and Double-cut	215	15	19
Birdsfoot Trefoil	4,970	4,244	4,25
Mustard (Yellow & Brown)	691	2,032	68
Radish	–	–	
Lentils	2,123	1,916	3,69
Canary Grass	525	961	18
Miscellaneous Grass Crops	633	1,014	37
TOTAL	**345,822**	**313,822**	**277,93**

TABLE 30: Certified Potato Production, 1991

	Number of Growers	Hectares Inspected	Hectares Passed Inspection	Production Graded Stock (tonnes)	
		1991			1990[R]
Russet Burbank	12	1 521.7	1 521.7	26 654	23 485
Norland	11	144.5	132.4	2 370	1 566
Shepody	6	286.5	286.5	4 164	3 113
Norchip	4	171.1	171.1	4 582	1 578
Red Pontiac	5	69.8	60.9	1 499	874
Yukon Gold	4	31.4	31.4	622	423
Conestoga	3	60.6	60.6	743	508
Monona	3	114.2	114.2	2 554	706
Russet Norkotah	2	16.5	11.7	401	47
Saginaw Gold	1	0.1	0.1	2	85
Carlton	2	2.9	2.9	59	48
Niska	1	0.1	0.1	1	2
Viking	1	56.8	56.8	1 016	122
Sangre	1	72.4	23.9	419	0
All Varieties	**15**	**2 548.7**	**2 474.4**	**45 085**	**32 557**

	Number of Growers	Acres Inspected	Acres Passed Inspection	Production Graded Stock (tons)	
		1991			1990[R]
Russet Burbank	12	3,760.1	3,760.1	29,381	25,880
Norland	11	356.9	327.0	2,611	1,726
Shepody	6	708.0	708.0	4,589	3,431
Norchip	4	422.8	422.8	5,050	1,739
Red Pontiac	5	172.6	150.6	1,652	963
Yukon Gold	4	77.6	77.6	686	466
Conestoga	3	149.8	149.8	819	560
Monona	3	282.2	282.2	2,814	778
Russet Norkotah	2	40.8	29.0	442	52
Saginaw Gold	1	0.2	0.2	2	94
Carlton	2	7.2	7.2	65	53
Niska	1	0.2	0.2	1	2
Viking	1	140.4	140.4	1,120	134
Sangre	1	178.9	59.1	462	0
All Varieties	**15**	**6,297.8**	**6,114.2**	**49,695**	**35,878**

[R] - Revised.

SOURCE: Agriculture Canada.

MARKETING OF MAJOR CROPS

TABLE 31: Farm Supply and Disposition of Major Crops, 1990/91

1990/91	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOT
				- thousand tonnes -				
SUPPLY								
Opening Stocks - Aug 1	15.0	45.0	50.0	120.0	15.0	5.0	15.0	25
Production	359.2	5 884.4	339.3	1 959.5	157.5	381.0	460.4	9 18
TOTAL SUPPLY	**374.2**	**5 929.4**	**389.3**	**2 079.5**	**172.5**	**386.0**	**475.4**	**9 43**
DISPOSITION								
Marketings	277.9	5 034.6	85.1	1 073.2	86.5	256.0	410.8	6 94
Seed Requirements	11.4	225.5	13.8	50.2	3.4	11.6	3.8	30
Feed, Waste & Dockage	24.9	189.3	200.4	786.1	47.6	43.4	50.8	1 31
Carryover, July 31	60.0	480.0	90.0	170.0	35.0	75.0	10.0	86
TOTAL DISPOSITION	**374.2**	**5 929.4**	**389.3**	**2 079.5**	**172.5**	**386.0**	**475.4**	**9 43**
				- thousand bushels -				
SUPPLY								
Opening Stocks - Aug 1	551	1,653	3,242	5,511	591	197	661	11,8
Production	13,198	216,216	22,001	89,998	6,200	14,999	20,300	369,7
TOTAL SUPPLY	**13,750**	**217,870**	**25,243**	**95,509**	**6,791**	**15,196**	**20,961**	**381,5**
DISPOSITION								
Marketings	10,211	184,991	5,518	49,291	3,405	10,078	18,113	271,3
Seed Requirements	419	8,286	895	2,306	134	457	168	12,2
Feed, Waste & Dockage	915	6,956	12,994	36,105	1,874	1,709	2,240	61,8
Carryover, July 31	2,205	17,637	5,836	7,808	1,378	2,953	441	36,0
TOTAL DISPOSITION	**13,750**	**217,870**	**25,243**	**95,509**	**6,791**	**15,196**	**20,961**	**381,5**

SOURCE: Statistics Canada.

TABLE 32: Producer Marketings, Crop Year 1990/91

	Bread Wheat	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
				- thousand tonnes -					
1990									
Aug.	377.0	19.9	396.8	10.3	91.9	25.5	6.7	10.6	541.8
Sept.	346.6	20.3	366.9	7.5	85.9	7.0	52.8	53.0	573.2
Oct.	131.1	4.7	135.8	8.2	70.3	6.1	37.5	86.6	344.5
Nov.	281.7	27.8	309.5	8.7	199.3	4.2	14.1	21.6	557.4
Dec.	367.0	17.2	384.2	5.7	40.2	4.6	16.4	18.6	469.7
1991									
Jan.	220.4	35.1	255.5	3.0	92.4	10.0	13.9	29.3	404.1
Feb.	305.3	16.7	322.0	4.6	93.7	5.7	16.4	45.0	487.5
March	347.8	14.4	362.2	5.8	57.6	6.8	14.7	44.4	491.5
April	352.2	30.1	382.2	5.1	81.8	3.5	19.8	40.9	533.4
May	459.8	8.3	468.1	4.8	65.5	3.1	13.1	19.3	573.9
June	740.7	40.4	781.1	6.7	114.6	4.3	17.0	20.8	944.5
July	827.1	43.1	870.2	14.5	80.0	5.8	33.6	20.5	1 024.7
TOTAL	**4 756.7**	**277.9**	**5 034.6**	**85.1**	**1 073.2**	**86.5**	**256.0**	**410.8**	**6 946.1**

	Bread Wheat	Durum Wheat	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola	TOTAL
				- thousand bushels -					
1990									
Aug.	13,850	730	14,580	670	4,220	1,000	260	470	21,200
Sept.	12,740	750	13,490	490	3,950	280	2,080	2,330	22,620
Oct.	4,820	170	4,990	530	3,230	240	1,470	3,820	14,280
Nov.	10,350	1,020	11,370	570	9,150	160	550	950	22,750
Dec.	13,480	630	14,110	370	1,850	180	650	820	17,980
1991									
Jan.	8,100	1,290	9,390	200	4,240	390	550	1,290	16,060
Feb.	11,220	610	11,830	300	4,300	220	650	1,980	19,280
March	12,780	530	13,310	380	2,650	270	580	1,960	19,150
April	12,940	1,100	14,040	330	3,760	140	780	1,810	20,860
May	16,890	310	17,200	310	3,010	120	520	850	22,010
June	27,220	1,480	28,700	430	5,270	170	670	920	36,160
July	30,390	1,580	31,970	940	3,680	230	1,320	910	39,050
TOTAL	**174,780**	**10,210**	**184,990**	**5,520**	**49,290**	**3,400**	**10,080**	**18,110**	**271,390**

TABLE 33: Permit Holders, Quota Areas, 1986/87 to 1990/91

	Permit Books	Quota Areas	
		Hectares	Acres
		thousands	
1986/87	23,935	5 956	14,718
1987/88	25,114	6 054	14,959
1988/89	24,410	5 849	14,452
1989/90	23,728	5 852	14,460
1990/91	22,760	5 812	14,362

SOURCE: Canadian Wheat Board.

TABLE 34: Average Protein Content of Spring Wheat, 1990, 1991

Per cent Protein in Wheat No. 1 C.W.R.S.
(13.5% moisture content basis)

	1990		1991	
Agricultural Region	**Mean**	**Range**	**Mean**	**Range**
1	13.6	10.0 - 16.9	14.0	12.0-15.8
2	13.7	9.7 - 16.3	13.9	12.0-15.9
3	13.7	10.5 - 17.0	13.6	10.7-15.9
4	13.2	11.4 - 16.1	13.5	11.0-15.4
5	12.9	10.2 - 15.7	13.7	10.7-16.0
6	13.4	11.0 - 15.6	13.8	11.3-16.1
7	13.6	10.1 - 16.9	14.3	11.4-16.3
8	14.2	10.1 - 17.3	14.5	11.3-16.2
9	13.3	10.1 - 16.6	14.3	12.1-16.0
10	–	–	–	–
11	13.1	10.5 - 16.0	13.9	12.1-15.8
12	13.4	10.0 - 15.8	13.8	11.9-15.9
PROVINCE	**13.6**	**9.7 - 17.3**	**14.0**	**10.7-16.3**

SOURCE: Agriculture Canada (C.G.C.), Grain Research Laboratory.

TABLE 35: Monthly Average Cash Grain Prices, Basis In-Store Lower St. Lawrence or Thunder Bay, 1990/1991

A. 1990/91 Wheat Prices

- Dollars per Tonne at St.Lawrence
- Wheat Board Quotations -

Grade	1990 Aug.	Sept.	Oct.	Nov.	Dec.	1991 Jan.	CWB Total Producer Payment
1 C.W. Red Spring 13.5%	158.28	150.87	148.69	146.34	153.10	153.51	137.21
2 C.W. Red Spring 13.5%	152.68	145.27	143.09	140.74	147.50	147.91	130.21
3 C.W. Red Spring	142.68	135.27	133.09	130.74	137.50	137.91	117.21
No. 1 Canada Utility	138.68	131.27	129.09	126.74	133.50	133.91	121.21
No. 2 Canada Utility	130.68	123.27	121.09	118.74	125.50	125.91	104.21
1 C.W. Amber Durum	176.25	170.02	172.85	167.70	173.70	178.20	125.00
2 C.W. Amber Durum	171.25	165.02	167.85	162.70	168.70	173.20	122.00
3 C.W. Amber Durum	166.25	160.02	162.85	157.70	163.70	168.20	118.00

Grade	1991 Feb.	March	April	May	June	July	Average
1 C.W. Red Spring 13.5%	154.38	157.10	157.44	156.36	154.86	150.22	153.43
2 C.W. Red Spring 13.5%	148.78	151.50	151.84	150.76	149.26	144.62	147.83
3 C.W. Red Spring	138.78	141.50	141.84	140.76	139.26	134.62	137.83
No. 1 Canada Utility	134.78	137.50	138.22	144.76	143.26	138.62	135.86
No. 2 Canada Utility	126.78	129.50	130.22	136.76	135.26	130.62	127.86
1 C.W. Amber Durum	183.00	178.93	180.88	173.00	164.30	158.52	173.11
2 C.W. Amber Durum	178.00	173.93	175.88	168.00	159.30	153.52	168.11
3 C.W. Amber Durum	173.00	168.93	170.88	163.00	154.30	148.52	163.11

B. 1990/91 Malting Barley Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

Grade	1990 Aug.	Sept.	Oct.	Nov.	Dec.	1991 Jan.	CWB Total Producer Payment
SSCW2-Row	209.48	189.00	189.00	189.00	189.00	189.00	154.79
SSCW6-Row	189.00	183.00	183.00	183.00	183.00	183.00	142.79

Grade	1991 Feb.	March	April	May	June	July	Average
SSCW2-Row	189.00	189.00	189.00	189.00	193.00	180.41	190.32
SSCW6-Row	183.00	183.00	183.00	183.00	187.00	174.41	183.12

C. 1990/91 Barley Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

Grade	1990 Aug.	Sept.	Oct.	Nov.	Dec.	1991 Jan.	CWB Total Producer Payment
1 C.W.	92.84	83.67	86.41	86.26	82.23	83.43	90.00
2 C.W.	91.84	82.67	85.41	85.25	81.23	84.06	87.00

Grade	1991 Feb.	March	April	May	June	July	Average
1 C.W.	83.97	86.99	87.59	83.44	80.32	76.37	84.46
2 C.W.	82.97	85.99	86.59	82.44	79.32	75.37	83.60

TABLE 35: Continued

D. 1990/91 Oat Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

	1990					1991	
Grade	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
1 C.W.	78.46	75.51	80.14	79.99	76.77	76.38	
2 C.W.	78.05	75.51	80.14	79.99	76.76	102.98	
3 C.W./1Feed	78.05	75.51	80.14	79.99	76.76	76.38	
4 C.W.	73.05	70.51	75.14	74.99	71.76	71.38	
	1991						
	Feb.	March	April	May	June	July	Average
1 C.W.	80.08	85.95	83.21	83.82	77.14	82.17	79.97
2 C.W.	80.08	85.95	83.21	83.82	77.14	82.17	82.15
3 C.W./1Feed	80.08	85.95	83.21	83.82	77.14	82.17	79.93
4 C.W.	75.08	80.95	78.21	78.82	72.14	77.17	74.93

E. 1990/91 Rye Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

	1990					1991	
Grade	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
1 Canada	85.83	85.74	90.69	90.01	93.52	88.19	
2 Canada	83.83	83.74	88.69	88.01	91.52	86.19	
3 Canada	55.83	55.74	60.69	60.01	63.52	58.19	
	1991						
	Feb.	March	April	May	June	July	Average
1 Canada	83.54	83.49	87.29	82.21	75.90	73.62	85.00
2 Canada	81.54	81.49	85.29	80.21	73.90	71.62	83.00
3 Canada	53.54	53.49	57.29	57.29	57.29	57.29	57.51

F. 1990/91 Canola Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

	1990					1991	
Grade	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
1 Canada	282.36	274.89	277.55	272.25	272.52	266.75	
2 Canada	269.36	261.89	264.55	259.25	259.52	253.75	
	1991						
	Feb.	March	April	May	June	July	Average
1 Canada	262.14	274.74	285.50	276.50	260.81	244.00	270.83
2 Canada	249.14	261.74	272.50	263.50	247.81	231.00	257.83

G. 1990/91 Flaxseed Prices

- Dollars per Tonne at Thunder Bay -
- Winnipeg Commodity Exchange Cash Quotations -

	1990					1991	
Grade	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
1 Canada	264.93	252.86	263.43	258.11	252.65	240.30	
2 Canada	262.93	250.86	261.43	256.11	250.65	238.30	
3 Canada	229.93	217.86	228.43	223.11	217.65	205.30	
	1991						
	Feb.	March	April	May	June	July	Average
1 Canada	223.84	221.58	210.74	204.63	195.54	184.53	231.10
2 Canada	221.84	219.58	208.74	202.63	193.54	182.53	229.10
3 Canada	188.84	186.58	175.74	169.63	160.54	149.53	196.10

TABLE 36: Grain Storage Capacity, August 1, 1990 - 1991

Kind of Elevator	All Licensed Elevators 1990 Number	1990 Capacity (000 tonnes)	1991 Number	1991 Capacity (000 tonnes)
Terminal	1	140.0	1	140.0
Process Elevators	8	109.4	9	112.6
Primary	264	1 110.1	258	1 094.1
TOTAL - Licensed Elevators	**273**	**1 359.5**	**268**	**1 346.7**
		(000 bushels)		(000 bushels)
Terminal	1	4,915.0	1	4,915.0
Process Elevators	8	3,840.0	9	3,953.1
Primary	264	38,955.0	258	38,393.5
TOTAL - Licensed Elevators	**273**	**47,710.0**	**268**	**47,261.6**

SOURCE: Canadian Grain Commission.

TABLE 37: Grain Stored in Country Elevators at July 31

Year	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				- thousand tonnes -				
1977	12.6	225.4	43.3	225.4	48.9	37.5	9.7	590.2
1978	18.1	480.9	75.7	129.7	37.8	106.8	29.2	860.1
1979	18.3	497.4	58.6	96.9	32.3	84.9	70.6	840.7
1980	6.8	327.9	7.9	45.8	38.5	130.6	97.5	648.1
1981	15.4	266.2	14.9	218.3	21.9	54.5	61.5	637.3
1982	12.6	231.7	14.7	94.6	25.8	35.3	40.2	442.3
1983	18.4	420.4	15.8	138.9	52.8	86.9	24.9	739.7
1984	16.6	374.0	9.5	57.6	43.5	20.8	4.3	509.7
1985	5.8	82.4	14.8	115.3	46.3	20.4	43.9	323.1
1986	20.8	396.1	26.7	130.0	21.5	34.9	44.7	653.9
1987	73.7	701.3	14.9	64.6	17.6	60.4	16.0	874.8
1988	25.5	290.9	13.5	118.4	25.9	40.6	19.1	508.4
1989	16.1	154.8	10.9	182.4	20.0	23.5	43.6	435.2
1990	13.7	264.9	16.7	151.2	20.9	3.9	27.4	485.0
1991	34.0	778.0	20.5	102.9	8.6	22.6	17.4	950.0

Year	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				- thousand bushels -				
1977	463	8,282	2,808	10,352	1,925	1,476	428	25,271
1978	665	17,670	4,909	5,957	1,488	4,205	1,287	35,516
1979	672	18,277	3,800	4,451	1,272	3,342	3,113	34,254
1980	250	12,048	506	2,104	1,516	5,141	4,299	25,614
1981	566	9,781	966	10,026	862	2,146	2,712	26,493
1982	463	8,514	953	4,345	1,016	1,390	1,772	17,990
1983	676	15,447	1,025	6,380	2,079	3,421	1,098	29,449
1984	610	13,742	616	2,646	1,713	819	190	19,725
1985	213	3,028	960	5,296	1,823	803	1,936	13,844
1986	764	14,554	1,731	5,971	846	1,374	1,971	26,448
1987	2,708	25,769	966	2,967	693	2,378	705	33,478
1988	937	10,689	875	5,438	1,020	1,598	842	20,462
1989	592	5,688	707	8,377	787	925	1,922	18,407
1990	503	9,734	1,083	6,944	823	154	1,208	19,945
1991	1,249	28,587	1,329	4,726	339	890	767	36,638

SOURCE: Statistics Canada, Canadian Grain Commission.

LIVESTOCK PRODUCTION
CATTLE

Production Value

The production value of Manitoba cattle decreased by $42.0 million, from $333.0 million in 1990 to $291.0 million in 1991.The estimated average value per animal fell from $762 to $695 while production dropped from 437,100 head to 418,600 head.Reduced marketings, particularly of lighter-weight calves to out-of-province buyers, and depressed cattle prices in the second half of 1991 contributed to the lower production value for cattle in 1991.

Marketings

Including estimated sales to Alberta and Saskatchewan, net commercial marketings of Manitoba-origin cattle and calves decreased by 39,500 head from 1990, to total 363,600 in the current year. Marketings of local slaughter cattle to Manitoba packers decreased by 23,716 to 50,051 head whereas marketings of slaughter calves decreased by 110 to 1,227 head. Estimated shipments of Manitoba-origin feeder cattle and calves to the U.S. and Eastern Canada were 132,700 head, a decrease of 6,600 head from a year earlier. Export sales of Manitoba slaughter cattle and calves to Ontario, Quebec, Saskatchewan, Alberta and the U.S., increased from 128,700 head in 1990 to 129,600 in 1991. Estimated 1991 marketings of Manitoba feeder cattle and calves to Alberta and Saskatchewan were about 50,000 head, down by 10,000 head from 1990.

TABLE 38: Manitoba Origin Cattle Slaughtered in Canada by Month, 1991

Month	Slaughter Cattle	Slaughter Calves	TOTAL (excluding exports)
January	5,041	75	5,116
February	3,928	71	3,999
March	5,387	101	5,488
April	5,329	73	5,402
May	5,750	59	5,809
June	9,123	85	9,208
July	5,949	63	6,012
August	6,727	59	6,786
September	5,006	93	5,099
October	4,899	94	4,993
November	5,077	392	5,469
December	5,134	78	5,212
YEAR	**67,350**	**1,243**	**68,593**

SOURCE: Agriculture Canada.

Cattle Slaughtered in Manitoba

Of the total 54,568 cattle and 1,227 calves slaughtered in Manitoba during 1991, 8 per cent came from Saskatchewan. Of the total cattle slaughtered, 79.4 per cent were sold directly to packing plants on a rail-grade basis and 20.6 per cent were marketed through public stockyards and auction markets. In addition to the 68,593 Manitoba-produced cattle and calves slaughtered in Canada, 4,100 slaughter-weight cattle were sold in Ontario and about 108,200 slaughter cattle and calves were exported to the United States.

TABLE 39: Beef Carcasses Graded in Federally & Provincially Inspected Packing Plants, 1990, 1991

	1990		1991	
	Number	%	Number	%
Grade:				
A1	55,479	61.0	31,347	57.4
A2	9,641	10.6	6,456	11.8
A3	1,015	1.1	654	1.2
A4	119	0.1	95	0.2
B1	2,065	2.3	1,144	2.1
B2	658	0.7	215	0.4
B3	655	0.7	304	0.6
C1	465	0.5	109	0.2
C2	120	0.1	58	0.1
D1	3,321	3.7	856	1.6
D2	2,740	3.0	813	1.5
D3	1,763	1.9	1,139	2.1
D4	308	0.3	102	0.2
E	176	0.2	52	0.1
Graded	**78,525**	**86.3**	**43,344**	**79.4**
Ungraded	12,433	13.7	11,224	20.6
TOTAL	**90,958**	**100.0**	**54,568**	**100.0**

SOURCE: Agriculture Canada.

Replacement Cattle Marketed in Manitoba

In 1991, 340,500 feeder cattle marketings were recorded by Manitoba public stockyards and auction markets. This was a decrease of 2.1 per cent from the previous year. Over 290,400 feeder cattle and calves were sold through Manitoba's nine major auction markets, while 50,100 replacement cattle were marketed through the seven smaller markets in the province. More than 38,700 feeder cattle and calves were shipped to eastern markets in 1991, a decrease of 34.0 per cent from 1990. Manitoba exported 94,000 feeders, of which about 76,800 were Manitoba-origin, to the United States in 1991, down from 80,800 in 1990. It is estimated that about 50,000 Manitoba-produced feeder cattle and calves were purchased by Alberta and Saskatchewan buyers in 1991. This number compares to an estimated 60,000 feeder cattle and calves moving west from Manitoba in 1990, 76,000 in 1989, 113,000 in 1988, 90,000 in 1987, 50,000 in 1986 and almost none in 1985 and previous years.

TABLE 40: Cattle Prices, Winnipeg, 1991

	Cents per Kilogram Live	Dollars per 100 Pounds Live
SLAUGHTER CATTLE AND CALVES		
STEERS		
A1,A2 +450 kg (+1,000 lb)	171.21	77.66
A1,A2 -450 kg (-1,000 lb)	170.51	77.34
A3,A4	139.62	63.33
B and C	145.97	66.21
HEIFERS		
A1,A2 +400 kg (+850 lb)	168.06	76.23
A1,A2 -400 kg (-850 lb)	166.67	75.60
A3,A4	146.72	66.55
B and C	144.09	65.36
COWS		
D1,D2	125.77	57.05
D3	120.28	54.56
D4	114.73	52.04
BULLS	161.49	73.25
SLAUGHTER CATTLE AVERAGE	**137.19**	**62.23**
CALVES		
Good Veal	–	–
Good Butcher	–	–
Common All Weights	–	–
SLAUGHTER CALVES AVERAGE	–	–
FEEDERS		
GOOD STEERS		
+400 kg (+900 lb)	193.57	87.80
350-400 kg (800-900 lb)	204.61	92.81
300-350 kg (700-800 lb)	215.83	97.90
250-300 kg (600-700 lb)	227.25	103.08
Common and Medium +250 kg (+600 lb)	190.66	86.48
GOOD STEER CALVES		
200-250 kg (500-600 lb)	242.88	110.17
150-200 kg (400-500 lb)	258.58	117.29
Under 150 kg (under 400 lb)	266.87	121.05
Common and Medium -250 kg (-600 lb)	208.91	94.76
GOOD HEIFERS		
+350 kg (+800 lb)	187.75	85.16
300-350 kg (700-800 lb)	201.75	91.51
250-300 kg (600-700 lb)	212.97	96.60
200-250 kg (500-600 lb)	226.31	102.65
Common and Medium +200 kg (+500 lb)	190.30	86.32
GOOD HEIFER CALVES		
150-200 kg (400-500 lb)	236.76	107.39
100-150 kg (300-400 lb)	242.11	109.82
Under 100 kg (under 300 lb)	249.76	113.29
Common and Medium -200 kg (-500 lb)	202.25	91.74
FEEDER COWS	139.62	63.33
FEEDER CATTLE AVERAGE	**211.60**	**95.98**

SOURCE: Agriculture Canada.

Prices

The weighted average price for top grade steers in 1991, at $77.66/cwt, decreased by almost 5.7 per cent from 1990, while that of D1,2 cows was down by 3.4 per cent to $57.05/cwt. The weighted average price for feeder calves, 200-250 kilograms (500-600 pounds) was $110.17/cwt. This compares with the weighted average price in 1990 of $109.20/cwt. The weighted average price for feeder steers 350-400 kilograms (800-900 pounds) in 1991 was $92.81/cwt, up by 4.0 per cent from 1990.

TABLE 41: Winnipeg Cattle Prices - Selected Grades

Month	A1,2 Steers			D1,2 Cows			Feeder Steers 350-400 kilograms			Feeder Calves 200-250 kilograms		
	5 Yr.	1990	1991	5 Yr.	1990	1991	5 Yr.	1990	1991	5 Yr.	1990	1991
	- cents per kilogram -											
January	174.4	181.7	181.0	116.0	126.4	119.3	185.1	192.1	204.0	222.9	226.3	242.6
February	175.4	183.4	182.2	121.1	133.5	129.8	186.7	189.4	207.7	225.5	226.2	244.1
March	174.7	178.6	183.7	123.3	133.0	134.9	185.8	187.2	208.3	225.4	226 1	255.2
April	176.5	180.7	181.5	120.5	128.7	134.0	186.2	187.9	211.5	225.3	236.3	258.6
May	181.4	181.2	179.1	123.9	131.0	135.4	186.6	189.0	205.3	225.2	233.3	253.5
June	177.3	181.5	174.3	125.9	140.2	136.2	184.9	197.1	208.2	225.2	251.9	255.2
July	173.4	179.3	170.6	127.6	138.1	127.6	184.7	195.4	202.9	218.8	244.4	246.2
August	175.7	182.0	164.5	125.6	135.0	126.9	191.5	205.3	200.7	222.7	242.8	239.5
September	177.8	179.4	161.8	124.0	129.8	121.2	195.2	204.9	203.2	238.2	246.7	244.2
October	176.6	182.3	160.6	118.3	126.7	118.7	193.4	205.3	197.7	238.6	242.9	238.7
November	177.7	185.4	156.5	113.9	119.3	110.6	188.0	199.0	192.5	231.0	239.8	235.9
December	177.5	189.3	157.2	117.5	125.4	111.8	190.9	204.2	190.7	234.8	243.1	233.1
YEAR	**177.6**	**181.5**	**171.2**	**121.1**	**130.2**	**125.8**	**189.1**	**196.7**	**204.6**	**231.9**	**240.7**	**242.9**

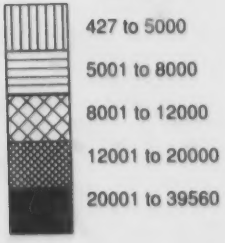
Month	A1,2 Steers			D1,2 Cows			Feeder Steers 800-900 pounds			Feeder Calves 500-600 pounds		
	5 Yr.	1990	1991	5 Yr.	1990	1991	5 Yr.	1990	1991	5 Yr.	1990	1991
	- dollars per 100 pounds -											
January	79.10	82.42	82.09	52.60	57.35	54.10	83.95	87.12	92.53	101.09	102.63	110.05
February	79.54	83.17	82.66	54.93	60.55	58.88	84.67	85.89	94.23	102.29	102.61	110.71
March	79.25	81.02	83.31	55.95	60.34	61.17	84.27	84.92	94.48	[illegible]22	102.54	115.74
April	80.06	81.97	82.35	54.65	58.38	60.76	84.45	85.25	95.93	10[illegible]20	107.18	117.29
May	82.27	82.20	81.25	56.22	59.44	61.42	84.64	85.72	93.14	102.16	105.82	114.98
June	80.44	82.33	79.05	57.10	63.60	61.77	83.89	89.42	94.44	102.15	114.26	115.78
July	78.64	81.35	77.39	57.87	62.65	57.88	83.78	88.62	92.03	99.23	110.84	111.67
August	79.72	82.57	74.61	56.96	61.24	57.57	86.85	93.13	91.03	101.00	110.14	108.65
September	80.63	81.36	73.41	56.24	58.89	54.96	88.54	92.94	92.18	108.07	111.90	110.79
October	80.09	82.71	72.85	53.68	57.47	53.82	87.72	93.13	89.67	108.22	110.18	108.29
November	80.60	84.08	70.99	51.67	54.12	50.19	85.29	90.28	87.30	104.80	108.78	107.01
December	80.50	85.86	71.30	53.29	56.88	50.69	86.61	92.63	86.48	106.49	110.26	105.73
YEAR	**80.56**	**82.33**	**77.66**	**54.94**	**59.05**	**57.05**	**85.76**	**89.24**	**92.81**	**105.19**	**109.20**	**110.17**

SOURCE: Agriculture Canada.

Inventory

There were 1,108,780 head of cattle and calves on 12,975 Manitoba farms on June 4, 1991. This was an increase of 3.1 per cent from the 1990 level. The number of beef cows increased by 21,000 head or 5.4 per cent to 411,131 head. While replacement beef heifer numbers increased to 73,800 head in 1991, slaughter heifers, steers and calves rose to 41,991 head, 79,098 head and 399,295 head respectively. The reduced out-movement of calves and lighter feeder cattle in the fall of 1990 and in early 1991 contributed to the increase in cattle being kept on feed in 1991.

MAP 6: Total Cattle, 1991 Census by Rural Municipality



MAP 7: Total Beef Cows, 1991 Census by Rural Municipality

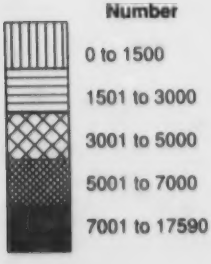


TABLE 42: Cattle Numbers on Farms, June 4, 1991

Agricultural Region	Bulls	Cows (milk)	Cows (beef)	Heifers Over 1 yr (milk)	Heifers Over 1 yr (beef) (slaughter/ replacement)	Steers Over 1 Year	Calves Under 1 Year	TOTAL
1	1,849	1,884	39,004	666	9,991	5,111	36,503	95,008
2	3,107	4,079	48,230	1,524	14,631	10,072	47,521	129,164
3	2,408	3,319	39,971	1,079	11,481	6,863	38,099	103,220
4	1,316	1,514	24,681	308	5,892	3,007	22,723	59,441
5	728	516	13,987	126	4,088	3,063	12,623	35,131
6	3,027	2,283	59,774	704	13,909	7,734	54,674	142,105
7	2,354	7,650	43,625	3,289	14,673	10,716	42,953	125,260
8	2,050	6,824	31,007	2,986	10,044	9,525	33,011	95,447
9	1,184	16,488	17,491	8,780	7,215	5,749	24,634	81,541
10	602	2,113	10,900	816	2,812	905	9,906	28,054
11	1,009	5,746	16,328	2,893	5,853	6,273	16,710	54,812
12	2,909	3,690	66,133	1,565	15,282	10,080	59,938	159,597
PROVINCE	**22,543**	**56,106**	**411,131**	**24,736**	**115,871**	**79,098**	**399,295**	**1,108,780**

SOURCE: Statistics Canada, Census of Agriculture.

HOGS

Production

In 1991, Manitoba farmers produced 2,122,000 hogs, an increase of 6.4 per cent from 199 A decrease in the average value per head more than offset the increased production volum resulting in a $7 million decrease in total value of production from the 1990 value. Hogs produce in Manitoba were valued at an estimated $240 million in 1991.

Marketings

Manitoba producers marketed 33,200 more hogs for slaughter in Canada in 1991 than i 1990. Hog marketings in early 1991 were below corresponding levels in 1990, but increase above 1990 levels for the last half of the year. The largest monthly increase in marketings, 22. per cent, occurred in December, 1991 According to Manitoba Pork, Est., 153,736 weanlings an 221,300 mature hogs were exported to the United States in 1991.

TABLE 43: Slaughter Hog Marketings by Month (excluding exports), 1989-1991

Month	- Animals from Manitoba - 1989	1990	1991
January	157,086	138,909	128,53
February	156,793	140,536	132,44
March	186,679	178,109	154,43
April	165,029	129,664	125,45
May	146,388	123,677	120,65
June	178,282	163,315	159,03
July	142,287	116,522	119,20
August	139,313	124,810	157,44
September	190,513	160,740	137,09
October	146,987	127,168	149,28
November	152,412	136,109	156,61
December	163,618	144,537	177,11
YEAR	**1,925,387**	**1,684,096**	**1,717,30**

SOURCE: Agriculture Canada.

Quality

The general quality of Manitoba hogs in 1991 was similar to 1990. The percentage of mark hogs indexing 100 or better was 90.4 per cent compared to 90.7 per cent in 1990. The averag Manitoba index remained at 105.7 in 1991.

Prices

Increased U.S. hog supplies outweighed increased exports of hogs and pork, resulting in low North American hog prices for most of the year. The highest average price received for Index 10 hogs was 158.0 cents per kilogram ($71.67 per hundredweight) in June. The average annual pric of Index 100 hogs in 1991 was 138.0 cents per kilogram ($62.60 per hundredweight), down 12. per cent from 1990 and 10.5 per cent below the five-year average (1986-1990).

TABLE 44: Monthly Average Weighted Hog Prices, 1989 - 1991

Month	1989	1990	1991	1989	1990	1991
			- cents per kilogram -			
January	120	127	141	84	108	98
February	122	140	151	81	112	106
March	114	142	146	82	121	110
April	111	149	145	75	124	114
May	121	173	155	78	147	113
June	135	184	158	88	146	115
July	141	179	149	83	130	102
August	144	171	147	83	132	98
September	134	157	129	83	117	88
October	140	164	126	94	124	86
November	137	149	110	91	110	67
December	135	144	108	94	95	62
YEAR	**130**	**157**	**138**	**84**	**123**	**97**

	Index 100			Sows		
Month	**1989**	**1990**	**1991**	**1989**	**1990**	**1991**
			- dollars per 100 pounds -			
January	54.43	57.61	63.96	38.10	48.99	44.45
February	55.34	63.50	68.49	36.74	50.80	48.08
March	51.71	64.41	66.22	37.19	54.89	49.89
April	50.35	67.59	65.77	34.02	56.25	51.71
May	54.89	78.47	70.31	35.38	66.68	51.26
June	61.24	83.46	71.67	39.92	66.22	52.16
July	63.96	81.19	67.58	37.65	58.97	46.27
August	65.32	77.56	66.68	37.65	59.87	44.45
September	60.78	71.21	58.51	37.65	53.07	39.92
October	63.50	74.39	57.15	42.64	56.25	39.01
November	62.14	67.59	49.89	41.28	49.90	30.39
December	61.24	65.32	48.99	42.64	43.09	28.12
YEAR	**58.97**	**71.22**	**62.60**	**38.10**	**55.79**	**44.00**

SOURCE: Agriculture Canada.

Inventory

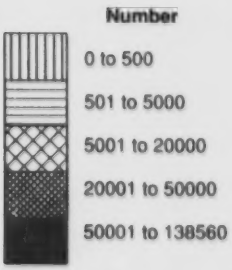
The total number of hogs on 2,969 Manitoba farms on June 4, 1991 was 1,287,200 head, an increase of 5.4 per cent from July 1, 1990. Market hogs totalled 1,141,565, an increase of 4.8 per cent or 52,565 head from 1990. Sow numbers on farms, at 137,709 head in 1991, were 11.0 per cent above the estimated 1990 level.

TABLE 45: Hog Numbers on Farms, June 4, 1991

			MARKET PIGS:			
Agricultural Region	**Boars**	**Sows & Bred Gilts**	**Under 20 kg (45 lb)**	**20-60 kg (45-130 lb)**	**Over 60 kg (130 lb)**	**TOTAL**
1	325	4,986	13,470	14,926	11,937	45,644
2	831	12,050	26,961	33,888	23,511	97,241
3	410	6,454	18,038	16,676	14,648	56,226
4	46	411	1,212	1,236	893	3,798
5	176	2,931	7,376	8,048	7,159	25,690
6	184	3,020	7,165	6,773	4,494	21,636
7	1,220	22,189	71,973	62,298	67,116	224,796
8	1,633	27,784	86,083	84,013	74,664	274,177
9	2,001	39,449	125,266	94,295	94,453	355,464
10	208	3,769	12,031	9,397	10,628	36,033
11	620	10,074	30,660	33,964	29,222	104,540
12	268	4,592	12,725	12,825	11,541	41,951
PROVINCE	**7,922**	**137,709**	**412,960**	**378,339**	**350,266**	**1,287,196**

SOURCE: Statistics Canada, Census of Agriculture.

MAP 8: Total Hogs, 1991 Census by Rural Municipality



SHEEP AND LAMBS

Slaughterings and Exports

Supply/disposition balance sheet estimates indicate that live imports of sheep and lambs into Manitoba were close to 50,000 head in 1991, while out-of-province sales of sheep and lambs totalled 66,000 head. There were 5,715 sheep and lambs slaughtered in federally and provincially inspected packing plants in Manitoba in 1991 compared with 5,121 in 1990. About 8,200 sheep and lambs were exported to the U.S. from Manitoba in 1991 compared to 5,360 in 1990. Sales of 26,000 Manitoba-produced sheep and lambs were valued at $1.248 million in 1991, up from $1.165 million in 1990.

TABLE 46: Federally and Provincially Inspected Sheep and Lamb Slaughter, 1988-1991

Month	1988	1989	1990	1991
January	225	259	277	242
February	185	271	224	349
March	337	446	297	574
April	458	282	420	502
May	370	328	260	277
June	315	443	439	492
July	342	334	311	461
August	373	358	475	483
September	560	579	510	621
October	385	438	600	421
November	478	399	637	465
December	530	614	671	828
YEAR	**4,558**	**4,751**	**5,121**	**5,715**

SOURCE: Agriculture Canada.

Prices

In 1991, prices for all grades of animals averaged $1.04 per kilogram ($47.25 per hundredweight). The average price for A and B lambs, 36-43 kilograms (80-94 pounds), was $1.12 per kilogram ($50.60 per hundredweight). The previous five-year average price for 36+ kilograms (80+ lb) was $1.63 per kilogram ($74.14 per hundredweight).

Wool Production

The total farm value of shorn wool sold or used on farms in 1991 was estimated at $13,000, an increase of 8.3 per cent from the revised 1990 value of $12,000. The average price received by producers for wool actually sold or used on farms was approximately 43.9 cents per kilogram (19.9 cents per pound). Production was 52 700 kilograms (116,100 pounds), up by 1.8 per cent from 1990.

DAIRY

Farm sales of milk and farm separated cream in 1991 were 286 497 kilolitres, a decrease of 2.1 per cent from 1990. Cash receipts for all milk sold off the farm totalled $118,168,000, down 0.2 per cent from the 1990 value of $118,455,000. Supplementary payments of $9,682 decreased by 3.2 per cent below the 1990 level of $10,004,000.

The volume of milk sold for fluid purposes was 113 179 kilolitres in 1991, 0.9 per cent lower than in 1990. This represented 39.5 per cent of all sales in 1991. Fluid sales generated 52.4 per cent of total milk and cream cash receipts sold off the farm in 1991 compared to the 51.8 per cent contribution in 1990.

By comparison, the volume of milk and cream sold off the farm for industrial use amounted to 173 318 kilolitres in 1991, representing 60.5 per cent of total sales compared to the 1990 figure of 61.0 per cent. In 1991, off-farm sales for industrial use and supplementary payments contributed $65.9 million to milk and cream receipts, (51.5 per cent) compared to a 52.2 per cent contribution in 1990.

MAP 9: Total Sheep, 1991 Census by Rural Municipality

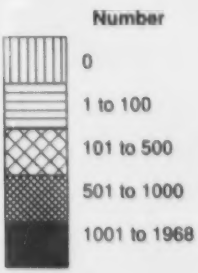


TABLE 47: Volume of Milk and Cream Sold Off Farm, 1987-1991

	Sold for Fluid Uses	Sold for Industrial Uses		Total Volume of Sales
		Delivered as Milk	Delivered as Cream	
	- kilolitres -			
1987	116 509	157 318	32 812	306 639
1988	117 298	161 945	31 868	311 111
1989	115 829	155 666	30 170	301 665
1990	114 221	149 871	28 516	292 608
1991	113 179	145 818	27 500	286 497

SOURCE: Statistics Canada, Cat. No. 23-001.

TABLE 48: Cash Receipts from Milk and Cream Sold Off Farm, 1987-1991

	Sold for Fluid Uses	Sold for Industrial Uses		Total Farm Sales	Supplementary Payments	Total Cash Receipts
		Delivered As Milk	Delivered As Cream			
	- thousands of dollars -					
1987	56,477	48,775	4,994	110,246	11,071	121,317
1988	57,993	55,167	5,025	118,185	10,980	129,165
1989	61,933	54,127	5,141	121,201	10,624	131,825
1990	61,382	52,051	5,022	118,455	10,004	128,459
1991	61,952	51,305	4,911	118,168	9,682	127,850

SOURCE: Statistics Canada, Cat. No. 23-001.

Creamery Butter Production

In 1991 butter production was 4 795 tonnes, an increase of 5.1 per cent over the revised 1990 value of 4 562 tonnes. The monthly average production was 399.6 tonnes in 1991 compared with 380.2 tonnes in 1990.

Cheddar Cheese Production

Cheddar cheese production in 1991 was 5 550 tonnes, down 5.9 per cent from the 1990 level of 5 895 tonnes. The ice-cream mix totalled 8 464 tonnes, up by 5.2 per cent from the 8 042 tonnes produced in 1990. This represents approximately one-half the actual ice-cream volume; two parts of ice-cream are made from one part of mix.

TABLE 49: Dairy Factory Production by Month, 1991

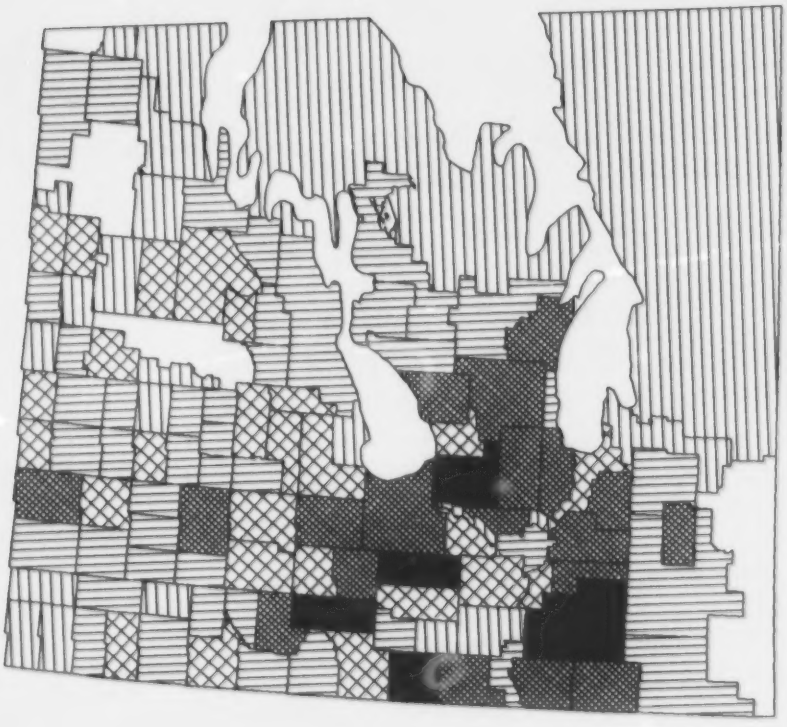
Month	Creamery Butter (tonnes)	Cheddar Cheese (tonnes)	Ice-Cream Mix (kilolitres)
January	460	534	464
February	386	447	459
March	419	516	604
April	440	508	673
May	435	490	989
June	324	452	988
July	345	419	952
August	353	400	903
September	388	425	683
October	451	443	598
November	384	377	606
December	410	539	545
YEAR	**4 795**	**5 550**	**8 464**

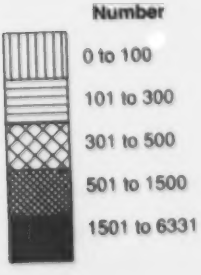
SOURCE: Statistics Canada, Cat. No. 23-001, monthly, updated May 12, 1992.

Total Milk Supply

Total milk production in the 1991 dairy year (August 1, 1990 to July 31, 1991) was 288.45 million litres, down 2.7 per cent from the 1990 level of 296.37 million litres. Milk production was 306.94 million litres in 1989. The 1991 producer price for class 1 milk was $58.82 per hectolitre, up $1.51 per hectolitre from the price received in 1990.

MAP 10: Total Dairy Cows, 1991 Census by Rural Municipality





Milk Cows

The number of milk cows on 2,214 Manitoba farms on June 4, 1991 was 56,106 head. Dairy replacement heifers on farms totalled 24,736.

POULTRY

The production value of poultry eggs and meat decreased by 3.3 per cent in 1991 to an estimated $121,812,000. Eggs for consumption rose slightly in value on the basis of increased marketings. The value of chicken hatching eggs increased marginally due to a higher price per dozen, while the turkey hatching egg value decreased as a result of a decline in both sales and average price. Meat chicken sales were up, but price per bird declined. Total marketings of turkeys were up slightly but value per bird was down from a year earlier. Goose production declined by 46 per cent.

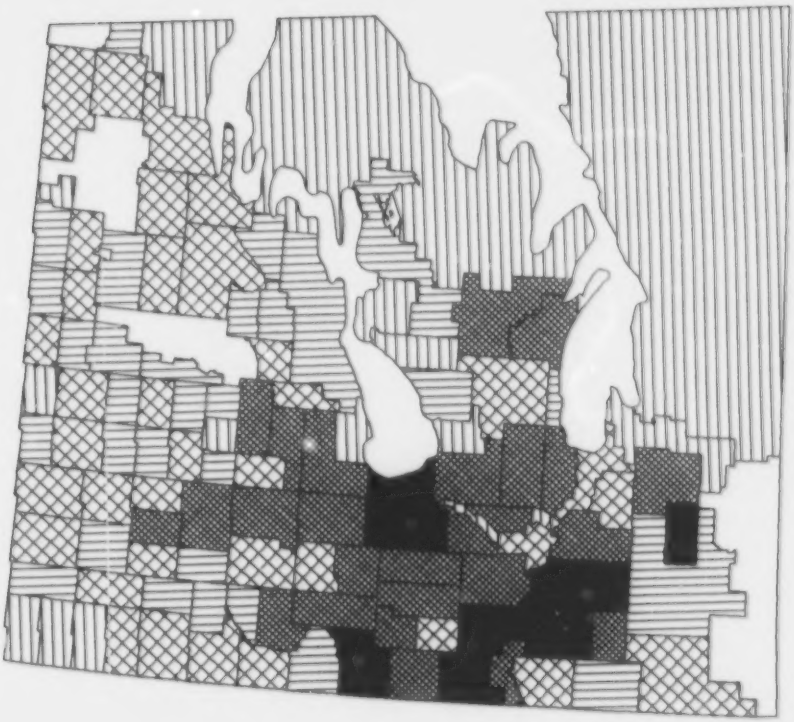
TABLE 50: Summary of Poultry Production, 1990, 1991

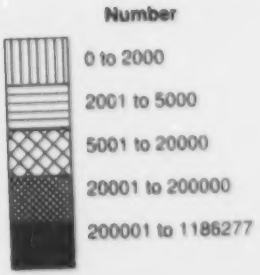
	- 1990[R] -			- 1991 -		
	Dozen (000)	**Price** (¢/doz)	**Value** ($000)	**Dozen** (000)	**Price** (¢/doz)	**Value** ($000)
EGGS						
Sold for consumption	49,627	100.2	49,726	51,084	99.1	50,624
Used on farms	204	100.2	204	204	99.1	202
Hatching (chicks)	3,270	288.0	9,417	3,224	300.0	9,672
	53,101		59,347	54,512		60,498
Hatching (turkeys)	424	825.0	3,498	415	803.0	3,332
TOTAL EGG VALUE	**53,525**		**62,845**	**54,927**		**63,830**
	Birds (000)	**Price** ($ each)	**Value** ($000)	**Birds** (000)	**Price** ($ each)	**Value** ($000)
MEAT						
Chicken:						
Broilers (under 1 kg)	1,350	1.23	1,660	988	1.18	1,166
Broilers (1-2 kg)	14,170	2.08	29,474	14,819	1.97	29,193
Roasters	1,736	4.22	7,326	1,584	3.98	6,304
Fowl	2,018	0.10	202	2,100	0.06	126
	19,274		38,662	19,491		36,789
Turkeys:						
Broilers	416	8.03	3,340	377	7.78	2,933
Hens	617	11.39	7,028	667	10.80	7,204
Toms	557	17.80	9,914	550	16.33	8,981
	1,590		20,282	1,594		19,118
Geese	297	13.90	4,128	161	12.80	2,061
Ducks	4	3.89	15	3	4.81	14
TOTAL MEAT VALUE			**63,087**			**57,982**
TOTAL POULTRY PRODUCTION			**125,932**			**121,812**

[R] - Revised.

SOURCE: Statistics Canada, Cat. No. 23-202; Agriculture Canada, Poultry Market Review; Manitoba Agriculture.

MAP 11: Total Poultry, 1991 Census by Rural Municipality





In 1991, the weighted average egg price was 99.1 cents per dozen, slightly below the average price of 100.2 cents per dozen last year. The monthly average delivered prices for all grades for 1986-1991 are shown below.

TABLE 51: Egg Prices to Producers, Winnipeg, 1986 - 1991 - All Grades

Month	1986	1987	1988	1989	1990	1991
			- cents per dozen (weighted) -			
January	84.7	83.6	83.4	101.0	97.7	99.8
February	86.9	83.5	84.6	101.0	97.4	98.2
March	87.7	82.9	84.7	100.6	100.4	103.0
April	86.2	80.8	83.1	99.7	97.5	96.8
May	84.2	79.1	83.8	100.0	95.3	95.7
June	84.9	81.1	85.3	102.2	97.2	97.9
July	85.6	82.4	88.2	102.9	100.8	98.4
August	88.7	81.6	92.2	100.3	103.0	98.1
September	82.3	80.9	92.7	100.9	103.5	98.8
October	86.0	81.6	95.8	101.9	101.8	99.8
November	84.9	82.6	96.6	102.9	103.3	100.5
December	81.3	80.5	96.0	103.2	103.4	101.7
YEAR	**85.4**	**81.7**	**88.8**	**101.6**	**100.2**	**99.1**

SOURCE: Canadian Egg Marketing Agency

The average number of laying hens per month at year end on Manitoba farms was 2,354,000 in 1991 compared to 2,355,000 in 1990. The average production per bird was 281 eggs per year in 1991 compared with 279 in 1990.

The egg quota allocation to Manitoba by the Canadian Egg Marketing Agency for 1991 was 2,163,000 and the inventory was 2,072,000 for a 95.8 per cent utilization. The average number of registered producers was 255 compared to 231 a year earlier. The average number of layers per producer was 9,614 for 1991 compared to 9,349 a year earlier.

OTHER LIVESTOCK

HORSES

The 1991 Census of Agriculture indicated 4,203 farms reported 44,130 horses and ponies. This figure represents an increase of 8.5 per cent over the 1986 Census figure of 40,691 head. In 1991, it was estimated that 178 farms supplied pregnant mare's urine from 13,715 mares for a gross value of $21,155,000. This compares to 13,202 mares and a gross value of $17,001,700 in 1990.

Close to 9,000 slaughter horses were produced in 1991. Of these, 11 were slaughtered in Manitoba, 669 were exported to the U.S. and the remainder were slaughtered in Alberta. The total value of slaughter horse production in 1991 was about $5.4 million.

GOATS

The 1991 Census of Agriculture reported a total of 5,895 goats from 559 farms. There were 572 goats slaughtered at inspected plants in Manitoba and about 2,300 exported to eastern Canada in 1991. The value of goat meat and milk production was estimated to be $384,000 in 1991.

RABBITS

The 1991 Census of Agriculture reported a total of 586 rabbit farms with a rabbit population of 13,276. Manitoba produced about 14,000 slaughter rabbits in 1991 valued at about $84,000.

OTHER PRODUCTS

FUR AND WILDLIFE

Pelts are obtained from both fur farms and wildlife sources. In the 1990/91 season 43,519 pelts were produced - 1,102 fox and 42,417 mink for a total farm value of $1,105,018. Fox pelts were obtained from 28 farms for a value of $37,123, reflecting a 2.1 per cent decline from 1990. Sixteen mink farms produced mink pelts valued at $1,067,895, a rise of 36.1 per cent from 1990.

Wildlife pelts totalled 50,780 in 1991 only 14 per cent of the number in the peak-value year 1986/87. The market value of $1,125,331 was 86 per cent less than that of 1986/87.

The number of farmed and wildlife pelts fell 77 per cent below 1986/87 with overall fur value reflecting a decline of 79 per cent.

TABLE 52: Fur Statistics, 1987/88 to 1990/91

Fur Farms	1987/88	1988/89	1989/90[r]	1990/91
Fox:				
Pelts	820	775	997	1,102
Value	$93,129	$46,546	$37,906	$37,123
Number of Farms	18	14	13	28
Mink:				
Pelts	48,375	56,955	44,435	42,417
Value	$1,810,329	$1,439,424	$784,199	$1,067,895
Number of Farms	23	25	19	16
TOTAL PELTS	**49,195**	**57,730**	**45,432**	**43,519**
TOTAL VALUE	**$1,903,458**	**$1,485,970**	**$822,105**	**$1,105,018**
Wildlife:				
Pelts	391,744	107,920	68,061	50,780
Value	$5,393,731	$2,259,584	$1,563,805	$1,125,331
TOTAL FURS				
Pelts	**440,939**	**165,650**	**113,493**	**94,299**
Value	**$7,297,189**	**$3,745,554**	**$2,385,910**	**$2,230,349**

[r] - Revised.

SOURCE: Statistics Canada: Cat. No. 23-207.

FOREST PRODUCTS

The value of production was estimated at $1,522,000 in 1991, down by 2.6 per cent from the value of $1,562,000 in 1990. This was based on total commercial sales and included plywood and fence posts. The 1991 Census reported 198 farms which sold forest products valued at $637,191 in 1990.

HONEY AND ALFALFA LEAFCUTTING BEES

Following another relatively mild winter of 1990/91, overall wintering success was generally good. Spring conditions were good to excellent for the build-up of colonies and moisture conditions improved substantially over the previous year. Plant development was excellent with good nectar availability. Windy conditions during the first two weeks of July prevented a bumper honey crop from being harvested in most areas, however a later than normal honey flow in August resulted in most beekeepers producing an above average crop.

TABLE 53: Honey Prices and Production, 1990, 1991

	1990	1991
Number of Beekeepers	1,050	1,000
Number of Colonies	83,000	76,000
Honey:		
Average kg/hive	66	86
Average lb/hive	145	190
Total Production - kg	5 478 000	6 550000
Total Production - lb	12,035,000	14,440,000
Price/kg - cents	121	123
Price/lb - cents	55	56
TOTAL VALUE	**$6,619,250**	**$8,086,400**
Beeswax:		
Production - kg	82 170	98,250
Production - lb	180,525	216,600
Price/kg - cents	275	275
Price/lb - cents	125	125
TOTAL VALUE	**$225,656**	**$270,750**
TOTAL VALUE HONEY AND BEESWAX	**$6,844,906**	**$8,357,150**

SOURCE: Manitoba Agriculture.

Alfalfa Leafcutting Bees. Alfalfa leafcutting bees are used in the pollination of alfalfa for seed production. Spring moisture conditions were generally favourable in most regions for crop development. However, cool, wet weather during the last week of June and first week of July prevented some beekeepers in the southern regions of the province from establishing their bees on the fields. The warm dry conditions that prevailed through the rest of July and August allowed for average bee reproduction and average seed production in 1991.

TABLE 54: Production of Leafcutting Bees and Alfalfa Seed, 1990, 1991

	1990	1991
Number of Leafcutting Beekeepers	235	235
Number of Leafcutting Bees	560,000,000	700,000,000
Price of Leafcutting Bees (per bee)	$0.006	$0.003
TOTAL VALUE OF BEES	**$3,360,000**	**$2,100,000**
Alfalfa Seed - ha	11 332	14 974
Alfalfa Seed - ac	28,000	37,000
Alfalfa Seed Production - kg	2 500 000	2 000 000
Alfalfa Seed Production - lb	5,512,000	4,409,000
Price/kg	$2.00	$1.10
Price/lb	$0.91	$0.50
TOTAL VALUE OF SEED	**$5,000,000**	**$2,204,500**
TOTAL VALUE OF BEES AND SEED	**$8,360,000**	**$4,304,500**

NOTE: Statistics reflect total alfalfa production (pedigreed and common).

SOURCE: Manitoba Agriculture.

RESOURCES

LAND AND FARMS

TABLE 55: Land Use by Area, 1991

Agricultural Region	- IMPROVED LAND - Crops	Fallow	Pasture	Total	Unimproved Pasture	All Other Land	TOTAL LAND
				- 000 hectares -			
1	546.9	26.9	23.9	597.5	119.4	35.6	752.6
2	525.6	42.7	37.6	605.9	178.2	59.1	843.1
3	483.3	66.2	35.1	584.7	148.4	84.0	817.1
4	206.9	35.0	25.3	267.3	83.6	35.1	385.9
5	205.8	19.1	20.9	245.7	67.6	30.8	344.1
6	382.8	29.6	48.8	461.1	364.6	60.4	886.2
7	682.3	16.5	44.5	743.4	131.2	56.5	931.0
8	786.5	10.0	18.8	815.2	80.3	38.4	934.0
9	354.5	11.2	12.2	377.9	55.7	31.9	465.6
10	80.3	7.4	6.6	94.3	46.9	29.3	170.5
11	239.9	11.2	14.0	265.2	63.1	20.3	348.6
12	266.3	21.2	53.5	341.1	411.5	93.7	846.2
PROVINCE	**4 761.1**	**297.0**	**341.3**	**5 399.4**	**1 750.5**	**575.1**	**7 725.0**

Agricultural Region	- IMPROVED LAND - Crops	Fallow	Pasture	Total	Unimproved Pasture	All Other Land	TOTAL LAND
				- 000 acres -			
1	1,351.3	66.1	59.0	1,476.5	295.1	88.0	1,859.6
2	1,298.7	105.6	92.9	1,497.2	440.2	146.0	2,083.4
3	1,194.3	163.7	86.8	1,444.8	366.6	207.7	2,019.1
4	511.3	86.5	62.6	660.4	206.6	86.6	953.6
5	508.4	47.1	51.6	607.2	167.1	76.1	850.4
6	945.9	73.0	120.5	1,139.4	901.1	149.4	2,189.8
7	1,686.1	40.9	110.0	1,837.0	324.2	139.5	2,300.6
8	1,943.4	24.7	46.4	2,014.5	198.5	94.9	2,307.9
9	876.0	27.7	30.2	933.9	137.7	78.9	1,150.6
10	198.4	18.3	16.4	233.1	115.8	72.5	421.3
11	592.9	27.8	34.7	655.3	156.0	50.2	861.5
12	658.1	52.5	132.3	842.8	1,016.7	231.5	2,091.1
PROVINCE	**11,764.8**	**733.9**	**843.3**	**13,342.1**	**4,325.6**	**1,421.2**	**19,088.9**

SOURCE: Statistics Canada, Census of Agriculture

FARM NUMBER, SIZE, TYPES

The 1991 Census, taken on June 4th, defines a census farm as a farm, ranch or other agricultural holding with sales of agricultural products.

In 1991, the total number of all farms in Manitoba numbered 25,706, a 6.0 per cent decline from 1986. Each farm averaged 301 hectares (743 acres). Forty-five per cent of Census farms repored sales over $50,000 in 1990, while 25 per cent had sales over $100,000.

TABLE 56: Size and Number of Farms, 1991

Agricultural Region	Census Farms			Number of Census Farms (with sales ≥ $50,000)		(with sales ≥ $100,000)	
		Average Size			% of All		% of All
	Number	Hectares	Acres	Number	Farms	Number	Farms
1	1,915	393	971	1,103	58	550	29
2	2,405	350	866	1,232	51	631	26
3	2,445	334	826	1,179	48	538	22
4	1,180	327	808	465	39	206	17
5	1,165	295	730	441	38	209	18
6	2,318	362	945	834	36	364	16
7	3,003	310	766	1,587	53	926	31
8	3,625	258	637	2,232	62	1,334	37
9	2,935	159	392	1,228	42	839	29
10	848	201	497	194	23	114	13
11	1,695	206	508	553	33	322	19
12	2,172	390	963	628	29	285	13
PROVINCE	**25,706**	**301**	**743**	**11,676**	**45**	**6,318**	**25**

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 57: Per Cent of Farms with Crops and Livestock, 1991

Agricultural Region	- CROPS -					- LIVESTOCK -			
	Wheat	Oats	Barley	Flax	Canola	Cattle	Hogs	Sheep	Chickens
1	81	25	45	23	30	56	9	2	12
2	67	32	49	13	27	59	10	3	13
3	78	23	53	14	40	54	10	1	14
4	73	29	43	5	45	63	7	2	16
5	73	26	35	15	38	44	14	2	17
6	60	33	30	12	34	59	9	3	16
7	65	27	36	29	35	47	11	3	13
8	79	13	42	32	32	41	19	2	13
9	46	16	27	19	12	40	15	3	16
10	33	22	17	14	12	49	11	3	16
11	54	15	29	22	17	41	9	2	13
12	32	24	22	10	20	64	7	3	13
PROVINCE	**63**	**23**	**37**	**19**	**29**	**50**	**12**	**2**	**14**

SOURCE: Statistics Canada, Census of Agriculture.

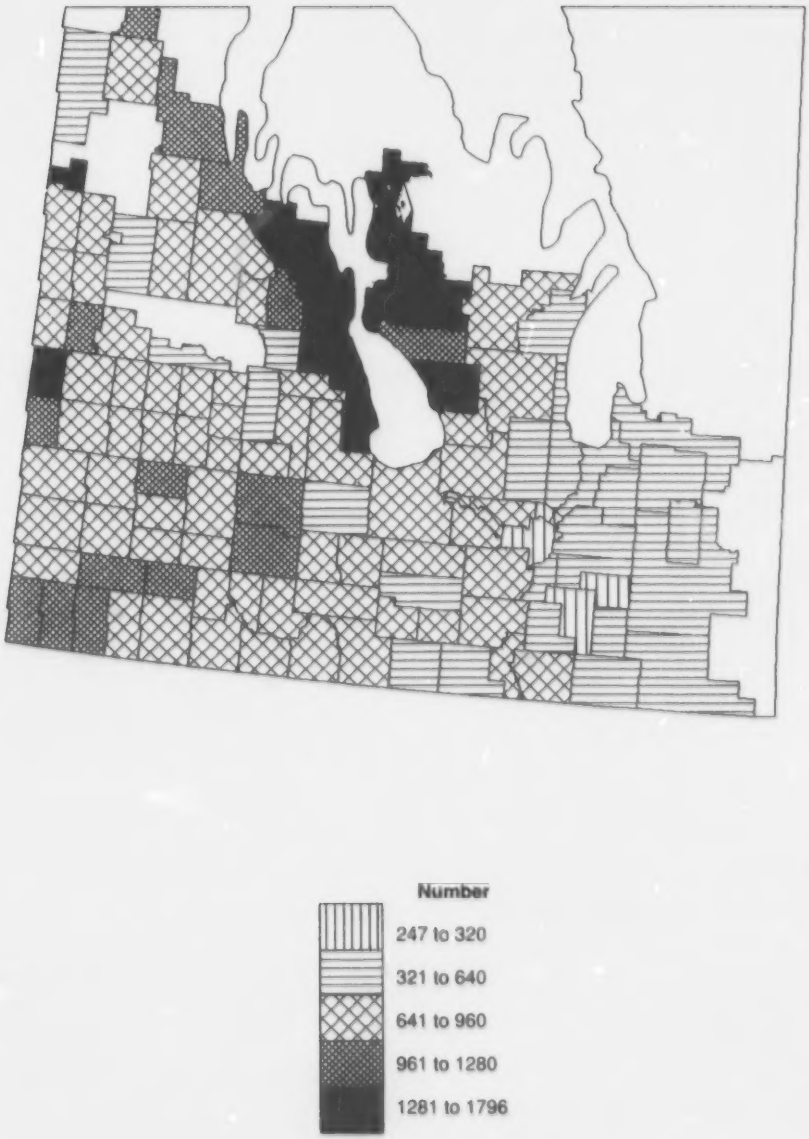
TENURE

TABLE 58: Farms Classified by Tenure of Operator, 1991

	No. of Operators	Total Hectares	Total Acres
Owner	24,098	4 858 316	12,005,162
Renter/Lessee	12,795	2 866 674	7,083,706
From Government	3,149	941 276	2,325,943
From Other Sources	11,105	1 925 398	4,757,763
TOTAL		**7 724 990**	**19,088,868**

SOURCE: Statistics Canada, Census of Agriculture.

MAP 12: Average Farm Size, 1991 Census by Rural Municipality



PEOPLE

Population

Manitoba's farm population continued to decline with the consolidation of farms. In 1991 there were an estimated 82,000 people on Manitoba farms, a decline of about 5 per cent since 1986. Of the 25,706 farms, 17,017 or 66 per cent were operated as individual or family holdings with no operating arrangement, while 8,265 or 32 per cent were family partnerships or corporations. Other partnerships and non-family corporations totalled 366 or one per cent. There were 58 institutions, colonies or community pastures.

Census Farm Labour

Hired Agricultural Labour. The 1991 Census of Agriculture reported that 11,118 farms hired paid labour for 354,071 weeks. This included the hiring of 208,745 weeks of year-round labour by 3,487 farms and 145,326 weeks of seasonal labour by 8,813 farms. Over eight per cent fewer farms hired 3.3 per cent more weeks of paid labour in 1991 than five years earlier.

FARM WAGES

In 1991, the hired farm labour index experienced a 4.0 per cent increase over 1990 and a 7.6 per cent rise over 1989. Total wages and salaries paid amounted to about $129.6 million in 1991, a 1.9 per cent increase from the 1990 total wage cost of $127.2 million.

CAPITAL

Investment in Agriculture

The average investment per Manitoba farm reporting in the 1991 Census amounted to $399,010, an increase of 14.2 per cent from 1986. Land and buildings accounted for 66.4 per cent, machinery for 23.7 per cent and livestock for 9.9 per cent, respectively, of the total capital investment. Total provincial investment in agriculture was $10,256,950,518 in 1991, 7.4 per cent above 1986. The average capital investment in land and buildings was $265,089 per farm, based on the 1991 Census. This value has increased by 10.1 per cent since 1986, reflecting the change to higher land values and larger farms. In 1991, the total value of capital invested in land and buildings was estimated at $6,814,388,073, up by 3.5 per cent from the total in 1986.

TABLE 59: Capital Investment Per Farm Reporting, 1991

Agricultural Region	Land and Buildings	Machinery and Equipment	Livestock	Total*
	- dollars per farm reporting -			
1	278,693	124,094	63,117	440,439
2	265,081	107,004	70,056	418,650
3	214,518	101,837	55,607	348,624
4	201,786	87,318	56,539	327,702
5	188,686	86,638	49,502	302,210
6	170,854	75,191	67,249	291,253
7	352,889	120,648	71,603	511,980
8	362,258	119,702	50,486	508,303
9	303,969	78,803	60,970	419,937
10	165,348	56,262	48,744	251,920
11	293,633	81,562	58,771	407,454
12	166,541	64,943	78,892	287,076
PROVINCE	**265,089**	**96,288**	**62,481**	**399,010**

* As a different number of farms reported for each component, the total value per farm is not equal to the sum of the component values.

SOURCE: Statistics Canada, Census of Agriculture.

TABLE 60: Value of Farm Capital, By Province, 1987 - 1991[p]

	1987	1988	1989	1990	1991
			- thousand dollars -		
CANADA	**104,333,431**	**103,044,993**	**110,076,318**	**114,181,762**	**112,145,887**
Manitoba	9,192,287	8,695,739	9,103,788	9,670,014	9,444,797
B.C.	5,938,758	5,862,918	6,043,633	6,334,307	6,487,241
Alberta	27,900,160	27,456,192	29,688,432	31,058,485	30,130,919
Saskatchewan	26,144,678	24,411,466	24,321,783	24,043,804	22,592,505
Ontario	22,923,635	24,386,654	28,363,413	29,916,256	30,205,532
Quebec	9,683,134	9,685,672	9,962,211	10,425,466	10,575,651
New Brunswick	749,446	746,248	745,145	781,355	797,147
Nova Scotia	962,319	962,795	987,766	1,011,129	973,610
P.E.I.	730,743	726,549	748,144	826,525	822,274
Newfoundland	108,271	110,760	112,003	114,421	116,211

[p] - Preliminary, subject to intercensal revision.

SOURCE: Statistics Canada, May 1992.

LAND VALUES

TABLE 61: Value per Unit of Farmland and Buildings, Manitoba and Canada

	$ per hectare		$ per acre	
Year	**Manitoba**	**Canada**	**Manitoba**	**Canada**
1981	1,013	1,520	410	615
1982	939	1,517	380	614
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	791	1,090	320	441
1988	726	1,077	294	436
1989	771	1,176	312	476
1990	830	1,233	336	499
1991	810	1,210	328	490
AVERAGES				
1921-30	65	81	26	33
1931-40	38	49	15	20
1941-50	49	57	20	23
1951-60	84	96	34	39
1961-70	145	182	59	74
1971-80	435	645	176	261
1981-90	865	1,290	350	522

SOURCE: Statistics Canada.

MACHINERY

The number of farm trucks licensed for operation in Manitoba in 1991 was 64,022, an increase of 5.6 per cent from the 1990 total of 60,622. The number of farm trucks decreased between 1985 and 1989, but rose in 1990 and 1991.

TABLE 62: Farm Machinery Numbers and Sales

	Number on Manitoba Farms	Sales During		
	1991 Census	1989	1990	1991
Tractors	73,523	1,073	1,010	827
Trucks	57,904	-	-	-
Combines:	20,588	277	302	243
self-propelled	14,640	199	-	229
pull-type	5,948	78	-	14
Balers:	15,812	492	470	356
bales, less than 200 lb.	8,651	91	-	49
bales, 200 lb or more	7,161	401	-	307
Swathers and Windrowers	23,403	392	190	236
Mower Conditioners	6,187	190	-	-
Forage Crop Harvesters	1,356	12	-	-
Farms with Cultivation, Seeding and Tillage Equipment	18,651	-	-	-
Farms with Personal Computers	2,203	-	-	-

SOURCE: Statistics Canada; Canadian Farm and Industrial Equipment Institute.

FERTILIZER

Fertilizer sales, excluding mixed fertilizers, increased to 700 500 tonnes (772,200 tons) in 1991 from 658 100 tonnes (725,400 tons) in 1990.

TABLE 63: Sales of Fertilizer, July 1 to June 30, 1989 to 1991

Formulation	Tonnes Sold			Tons Sold		
	1989	1990	1991	1989	1990	1991
			- thousands -			
Types:						
Ammonium Phosphate	175.1	182.9	184.2	193.0	201.6	203.0
Ammonium Nitrate	54.4	52.9	54.6	60.0	58.3	60.2
Urea	149.5	150.6	163.2	164.8	166.0	179.9
Anhydrous Ammonia	111.2	124.6	149.3	122.6	137.3	164.6
Nitrogen Solutions	41.7	42.9	47.0	46.0	47.3	51.8
Ammonium Sulphate	21.8	23.0	25.6	24.0	25.4	28.2
Potassium Chloride	27.2	34.0	35.7	30.0	37.5	39.4
Other Fertilizer Materials[1]	46.6	47.2	40.8	51.4	52.0	45.0
TOTAL FERTILIZER SALES	**627.5**	**658.1**	**700.5**	**691.8**	**725.4**	**772.2**

[1] Includes other nitrogen, other phosphates and other fertilizers.

SOURCE: Statistics Canada; Western Canada Fertilizer Association.

WEATHER

TABLE 64: Weather Record for the Year 1991, Winnipeg

Month	Temperature		Precipitation		Sunshine		
	Mean Monthly °C	Normal Mean °C	1991 mm	Normal mm	Duration (Hours)	Per Cent of Possible	Normal Hours
January	-18.9	-19.3	15.2	21.3	139.3	52.1	121.2
February	-10.0	-15.6	13.8	17.5	144.6	51.3	144.2
March	-5.4	-8.2	27.6	22.7	197.7	53.8	176.2
April	7.2	3.4	79.3	38.5	225.1	54.5	219.8
May	14.5	11.3	68.7	65.7	240.3	50.4	265.6
June	18.9	16.8	131.2	80.1	276.9	56.6	276.1
July	19.7	19.6	51.2	75.9	317.6	64.5	315.6
August	20.9	18.3	6.2	75.2	321.9	71.8	283.3
September	12.0	12.4	89.4	53.3	183.7	48.4	184.6
October	1.9	6.1	74.1	30.9	125.1	37.5	151.5
November	-8.5	-4.5	29.4	25.2	103.0	37.8	90.7
December	-10.9	-14.0	32.0	19.2	84.5	33.4	92.6
YEAR	**3.5**	**2.2**	**618.1**	**525.5**	**2,359.7**	**52.7**	**2,321.4**

SOURCE: Atmospheric Environment Service, Environment Canada

TABLE 65: Precipitation at Various Manitoba Points, 1991

- millimetres -

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	21.0	22.5	14.0	60.5	77.4	159.8	76.5	29.0	96.6	60.7	40.4	38.0	716.4
Birtle	18.2	31.3	26.2	54.2	74.2	79.8	115.5	24.2	58.3	45.2	24.6	49.2	600.9
Brandon A	7.1	21.2	26.3	46.3	55.0	111.8	125.8	30.0	56.6	59.5	19.0	31.6	590.2
Carman	14.1	14.0	25.5	41.0	63.8	129.7	109.2	30.2	69.0	61.9	28.5	30.2	616.1
Churchill A	1.4	9.8	8.2	10.4	17.0	73.8	188.2	48.4	72.6	50.8	47.4	15.0	522.8
Cypress River	14.6	17.6	23.2	49.8	90.4	107.0	139.2	13.6	55.6	72.2	28.8	40.6	652.6
Dauphin A	6.2	13.1	21.2	37.9	76.6	57.2	175.0	17.0	53.2	44.6	20.4	27.2	549.6
Emerson	17.4	16.4	17.6	72.7	107.0	182.8	78.0	29.0	130.4	102.0	47.5	50.2	851.0
Flin Flon	14.6	0.4	2.4	62.3	39.0	51.6	121.2	38.6	77.7	79.0	13.0	8.0	507.8
Gimli	14.9	6.4	43.9	31.0	66.9	94.2	59.1	12.2	127.4	*	*	*	N.A.
Hamiota	19.0	19.4	22.0	56.9	73.4	93.6	120.1	18.6	47.4	69.3	24.4	41.5	605.6
Lundar	10.0	11.5	50.5	49.6	75.7	114.8	85.0	38.0	77.4	43.7	21.0	41.5	600.7
McCreary	M	M	19.5	50.8	82.0	62.2	175.6	9.4	79.6	16.4	18.7	41.0	555.2
Morden AC	10.0	21.6	21.2	53.6	112.8	171.2	116.8	38.8	72.0	65.0	32.8	29.2	745.0
Morris	23.2	11.8	15.6	62.6	59.4	125.2	131.2	7.4	80.6	68.4	20.6	M	606.0
Neepawa	5.6	18.6	40.3	63.0	68.2	80.2	104.4	19.4	92.8	75.2	13.6	41.0	622.3
Pierson	8.0	13.8	16.6	57.0	74.4	124.8	79.2	63.4	46.4	78.4	24.2	26.8	613.0
Pilot Mound	19.6	23.0	27.8	40.4	151.6	189.4	80.4	39.0	78.6	56.6	36.6	32.0	775.0
Pinawa	17.4	8.4	34.9	66.6	56.1	121.5	92.3	18.3	112.1	90.1	35.2	32.1	685.0
Portage la Prairie	11.2	13.9	30.2	65.1	64.3	89.3	85.2	11.2	72.0	43.1	25.3	34.1	544.9
Roblin	16.4	15.1	20.7	31.2	95.4	156.0	105.3	58.9	41.3	37.4	18.7	24.9	620.3
Russell	*												
Souris	10.0	27.0	29.0	58.4	79.0	223.6	117.0	36.0	52.0	64.4	20.0	41.0	755.4
Sprague	M	37.0	14.4	72.4	110.0	233.4	82.2	6.8	202.4	45.4	43.3	40.0	867.3
Steinbach	25.5	17.0	27.2	75.1	54.9	130.5	90.0	23.9	115.7	79.3	24.2	33.4	686.7
Swan River	13.2	18.8	13.6	34.8	66.9	79.4	94.8	21.0	96.6	31.2	22.6	15.2	498.0
The Pas A	14.2	1.4	7.5	49.9	42.0	44.4	44.4	26.9	51.3	93.5	9.3	6.0	390.8
Thompson A	20.8	7.4	6.8	78.0	39.7	93.3	58.8	59.2	53.6	51.7	24.0	36.9	530.2
Turtle Mountain	8.5	24.5	20.5	75.6	100.0	117.5	125.8	95.6	66.8	57.3	12.5	23.0	727.6
Virden	6.3	17.3	30.4	58.0	73.0	109.0	77.0	47.7	36.9	61.5	19.4	27.8	564.3
Winnipeg A	21.3	17.5	22.7	38.5	65.7	80.1	75.9	75.2	53.3	30.9	25.2	19.2	525.5

- inches -

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	0.83	0.89	0.55	2.38	3.05	6.29	3.01	1.14	3.80	3.18	1.59	1.50	28.20
Birtle	0.72	1.23	1.03	2.13	2.92	3.14	4.55	0.95	2.30	1.78	0.97	1.94	23.66
Brandon A	0.28	0.83	1.04	1.82	2.17	4.40	4.95	1.18	2.23	2.34	0.75	1.24	23.24
Carman	0.56	0.55	1.00	1.61	2.51	5.07	4.30	1.19	2.72	2.44	1.12	1.19	24.26
Churchill A	0.06	0.39	0.32	0.41	0.67	2.90	6.62	1.91	2.86	2.00	1.87	0.59	20.58
Cypress River	0.57	0.69	0.91	1.96	3.56	4.21	5.48	0.54	2.19	2.84	1.13	1.60	25.69
Dauphin A	0.24	0.52	0.83	1.49	3.02	2.25	6.89	0.67	2.09	1.76	0.80	1.07	21.64
Emerson	0.69	0.65	0.69	2.86	4.21	7.20	3.07	1.14	5.13	4.02	1.87	1.98	33.50
Flin Flon	0.57	0.02	0.09	2.45	1.54	2.03	4.77	1.52	3.06	3.11	0.51	0.31	19.99
Gimli	0.59	0.25	1.73	1.22	2.63	3.71	2.33	0.48	5.02	*	*	*	N.A.
Hamiota	0.75	0.76	0.87	2.24	2.89	3.69	4.73	0.73	1.87	2.73	0.96	1.63	23.84
Lundar	0.39	0.45	1.99	1.95	2.98	4.52	2.56	1.50	3.05	1.80	0.83	1.63	23.65
McCreary	M	M	0.77	2.00	3.23	2.45	6.91	0.37	3.13	0.65	0.74	1.61	21.86
Morden AC	0.39	0.85	0.83	2.11	4.44	6.74	4.60	1.53	2.83	2.56	1.29	1.15	29.33
Morris	0.91	0.46	0.61	2.46	2.34	4.93	5.17	0.29	3.17	2.69	0.81	M	23.86
Neepawa	0.22	0.73	1.59	2.48	2.69	[illegible]	4.11	0.76	3.65	2.96	0.54	1.61	24.50
Pierson	0.31	0.54	0.65	2.24	2.93	4.91	3.12	2.50	1.83	3.09	0.95	1.06	24.13
Pilot Mound	0.77	0.91	1.09	1.59	5.97	7.46	3.17	1.54	3.09	2.23	1.44	1.26	30.51
Pinawa	0.69	0.33	1.37	2.62	2.21	4.78	3.63	0.72	4.41	3.55	1.39	1.26	26.97
Portage la Prairie	0.44	0.55	1.19	2.56	2.53	3.52	3.35	0.44	2.83	1.70	1.00	1.34	21.45
Roblin	0.65	0.59	0.81	1.23	3.76	6.14	4.15	2.36	1.63	1.47	0.66	0.98	24.42
Russell	*												
Souris	0.39	1.06	1.14	2.22	3.11	8.80	4.61	1.42	2.05	2.54	0.79	1.61	29.74
Sprague	M	1.46	0.57	2.85	4.33	9.19	2.45	0.27	7.97	1.79	1.70	1.57	34.15
Steinbach	1.00	0.67	1.07	2.96	2.16	5.14	3.15	0.94	4.56	3.12	0.96	1.31	27.07
Swan River	0.52	0.74	0.54	1.37	2.63	3.13	3.34	0.83	3.80	1.23	0.89	0.60	19.61
The Pas A	0.56	0.06	0.30	1.96	1.65	1.75	1.75	1.06	2.02	3.68	0.37	0.24	15.39
Thompson A	0.82	0.29	0.27	3.07	1.56	3.67	2.31	2.33	2.11	2.04	0.94	1.45	20.87
Turtle Mountain	0.33	0.96	0.81	2.98	3.94	4.63	4.95	3.76	2.63	2.26	0.49	0.91	28.65
Virden	0.25	0.68	1.20	2.28	2.87	4.29	3.03	1.88	1.45	2.42	0.76	1.08	22.22
Winnipeg A	0.84	0.69	0.89	1.52	2.59	3.15	2.98	2.96	2.10	1.22	0.99	0.76	20.69

AC Agriculture Canada A Airport M Missing * Station closed.

NOTE: Totals may not add due to conversion to Imperial from metric data.

SOURCE: Environment Canada.

PAST TRENDS

TABLE 66: Historical Production Value Summary

Year	Crops	Livestock	Other*	TOTAL
		- million dollars -		
1957	158.2	109.3	4.7	272.2
1958	195.6	140.0	4.5	340.1
1959	202.2	129.7	4.7	336.6
1960	225.1	121.6	4.3	351.0
1961	137.3	132.5	4.1	273.9
1962	292.7	126.1	4.1	422.9
1963	243.1	135.4	4.4	382.9
1964	296.8	134.3	4.3	435.4
1965	319.9	142.5	5.6	468.0
1966	323.2	165.3	4.9	493.4
1967	308.9	162.4	5.9	477.2
1968	292.4	162.7	5.0	460.1
1969	250.1	208.5	4.9	463.5
1970	226.8	221.7	4.0	452.5
1971	331.9	205.7	3.3	540.9
1972	437.5	253.1	5.1	695.7
1973	919.4	354.9	6.5	1,280.8
1974	708.8	338.8	6.9	1,054.5
1975	768.8	325.4	7.7	1,101.9
1976^	748.1	321.3	10.3	1,079.7
1977^	855.6	337.0	10.3	1,202.9
1978^	1,085.1	420.5	13.5	1,519.1
1979	1,097.8	536.2	15.1	1,649.1
1980	1,089.2	533.6	14.0	1,636.8
1981	1,497.9	522.7	16.8	2,037.4
1982	1,419.7	561.5	18.9	2,000.1
1983	1,393.1	574.8	19.2	1,987.1
1984	1,617.9	652.8	21.9	2,292.6
1985	1,702.7	676.3	30.4	2,409.4
1986^	1,252.3	773.7	31.7	2,057.7
1987^	1,143.0	734.9	34.2	1,912.1
1988^	1,121.0	762.0	29.3	1,912.3
1989^	1,344.6	721.0	29.1	2,094.7
1990^	1,395.5	838.1	31.2	2,264.8
1991	1,245.9	789.3	35.4	2,070.6

* Includes value of honey and beeswax, fur and forest products commencing 1956, leafcutting bees commencing 1983 and PMU operations commencing 1967.

TABLE 67: Historical Production Value Summary of Grains

Year	All Wheat	Oats	Barley	All Rye	Mixed Grains*	Grain Corn	TOTAL GRAINS
			- thousand dollars -				
1957	64,680	24,960	26,730	1,056	1,220	240	118,886
1958	82,960	28,000	35,640	1,020	2,244	203	150,067
1959	85,560	32,000	25,740	1,461	3,058	142	147,961
1960	106,260	34,720	20,160	1,444	2,996	193	165,773
1961	59,840	15,120	9,450	957	2,600	141	88,108
1962	136,000	52,510	20,160	3,150	4,100	152	216,072
1963	104,310	34,100	15,520	2,625	2,964	225	159,744
1964	138,550	47,450	16,800	2,940	4,116	150	210,006
1965	130,350	52,540	23,100	3,120	5,100	188	214,398
1966	140,620	48,000	30,800	2,592	6,503	191	228,706
1967	147,600	45,540	29,370	2,880	6,030	412	231,832
1968	119,210	40,500	33,970	2,500	5,929	132	202,241
1969	79,360	37,260	28,980	2,573	4,544	135	152,852
1970	43,310	30,210	37,740	2,469	6,532	210	120,471
1971	101,380	40,280	65,800	2,460	8,775	550	219,245
1972	128,340	49,500	107,100	2,397	13,500	1,085	301,922
1973	331,100	102,690	208,330	5,684	25,875	2,684	676,363
1974	236,000	65,360	117,600	5,625	11,400	697	436,682
1975	275,340	72,000	116,280	7,500	13,950	2,288	487,358
1976	288,400	68,930	134,000	5,750	10,833	3,473	511,386
1977	269,670	57,420	155,100	7,190	13,040	4,061	506,481
1978	375,440	40,590	143,650	10,220	12,920	16,240	599,060
1979	346,500	27,400	129,920	11,500	12,626	24,570	552,606
1980	386,400	33,120	214,560	12,760	11,395	25,500	683,735
1981	578,720	48,620	277,300	25,910	12,670	45,770	988,990
1982	610,660	42,400	215,940	18,540	11,620	26,670	925,830
1983	593,340	44,110	190,680	17,440	11,270	28,340	885,180
1984	643,680	47,090	234,500	18,210	13,210	33,040	989,730
1985	757,770	45,450	250,070	11,040	10,300	9,120	1,083,750
1986*	499,330	36,860	144,350	3,500	2,500	5,610	692,150
1987*	390,700	44,910	137,580	3,930	2,640	10,050	589,810
1988*	412,000	35,390	142,130	5,870	1,970	15,200	612,560
1989*	621,660	28,710	177,790	15,450	2,650	13,940	860,200
1990*	641,400	22,730	154,840	9,130	2,120	18,160	848,380
1991	495,050	18,660	115,510	4,090	2,450	21,600	657,360

* Methodology changed 1986 - see Mixed Grains.

TABLE 68: Historical Production and Value of Wheat

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	891	1 495	1 333.0	48.00	64,680
1958	1 004	1 655	1 660.0	50.00	82,960
1959	1 081	1 560	1 687.0	51.00	85,560
1960	1 133	1 585	1 796.0	59.00	106,260
1961	1 179	785	926.0	65.00	59,840
1962	1 231	1 770	2 177.0	62.00	136,000
1963	1 276	1 300	1 660.0	63.00	104,310
1964	1 370	1 690	2 313.0	60.00	138,550
1965	1 311	1 640	2 150.0	61.00	130,350
1966	1 317	1 630	2 150.0	65.00	140,620
1967	1 424	1 720	2 449.0	60.00	147,600
1968	1 376	1 800	2 477.0	48.00	119,210
1969	1 012	1 720	1 742.0	46.00	79,360
1970	567	1 465	830.0	52.00	43,310
1971	1 019	1 975	2 014.0	50.00	101,380
1972	1 052	1 785	1 878.0	68.00	128,340
1973	1 214	1 725	2 095.0	158.00	331,100
1974	1 133	1 415	1 605.0	147.00	236,000
1975	1 255	1 690	2 123.0	130.00	275,340
1976	1 538	1 820	2 803.0	103.00	288,400
1977	1 295	2 125	2 749.0	98.00	269,670
1978	1 376	2 055	2 831.0	133.00	375,440
1979	1 214	1 680	2 041.0	170.00	346,500
1980	1 336	1 425	1 905.0	203.00	386,400
1981	1 578	2 110	3 326.0	174.00	578,720
1982	1 619	2 290	3 701.0	165.00	610,660
1983	1 861	1 830	3 410.0	174.00	593,340
1984	1 801	2 080	3 742.3	172.00	643,680
1985	1 942	2 690	5 226.0	145.00	757,770
1986*	1 995	2 235	4 458.3	112.00	499,330
1987	1 963	2 010	3 946.5	99.00	390,700
1988*	1 934	1 231	2 381.5	173.00	412,000
1989*	2 135	1 954	4 172.2	149.00	621,660
1990*	2 205	2 670	5 884.4	109.00	641,400
1991	2 173	2 212	4 806.3	103.00	495,050

TABLE 68: Wheat Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value	
				Price Per Bushel $	Total ($000)
1957	2,200	22.3	49,000	1.32	64,680
1958	2,480	24.6	61,000	1.36	82,960
1959	2,670	23.1	62,000	1.38	85,560
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.31	119,210
1969	2,500	25.6	64,000	1.24	79,360
1970	1,400	21.8	30,500	1.42	43,310
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,000	25.7	77,000	4.30	331,100
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,600	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.6	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.62	346,500
1980	3,300	21.2	70,000	5.52	386,400
1981	3,900	31.3	122,200	4.75	578,720
1982	4,000	34.0	136,000	4.48	610,660
1983	4,600	27.2	125,300	4.74	593,340
1984	4,450	30.9	137,500	4.68	643,680
1985	4,800	40.0	192,000	3.95	757,770
1986*	4,930	33.2	163,800	3.05	499,330
1987	4,850	29.9	145,000	2.69	390,700
1988*	4,780	18.3	87,500	4.71	412,000
1989*	5,275	29.1	153,300	4.06	621,660
1990*	5,450	39.7	216,200	2.97	641,400
1991	5,370	32.9	176,600	2.80	495,050

TABLE 69: Historical Production and Value of Oats

	Harvested For Grain (000 hectares)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	607	1 220	740.0	34.00	24,960
1958	579	1 330	771.0	36.00	28,000
1959	575	1 340	771.0	42.00	32,000
1960	607	1 425	864.0	40.00	34,720
1961	526	705	370.0	41.00	15,120
1962	726	1 890	1 373.0	38.00	52,510
1963	656	1 455	956.0	36.00	34,100
1964	662	1 700	1 126.0	42.00	47,450
1965	617	1 850	1 141.0	46.00	52,540
1966	619	1 595	987.0	49.00	48,000
1967	647	1 575	1 018.0	45.00	45,540
1968	639	1 955	1 249.0	32.00	40,500
1969	619	1 720	1 064.0	35.00	37,260
1970	510	1 600	817.0	37.00	30,210
1971	565	2 075	1 172.0	34.00	40,280
1972	461	1 840	848.0	58.00	49,500
1973	526	1 850	972.0	106.00	102,690
1974	486	1 365	633.0	99.00	65,360
1975	445	1 735	771.0	93.00	72,000
1976	506	1 860	941.0	73.00	68,930
1977	425	2 105	894.0	64.00	57,420
1978	304	2 080	632.0	64.00	40,590
1979	182	1 690	308.0	89.00	27,400
1980	182	1 525	278.0	119.00	33,120
1981	243	1 910	463.0	105.00	48,620
1982	223	2 350	524.0	81.00	42,400
1983	223	1 800	401.0	110.00	44,110
1984	223	1 940	432.0	109.00	47,090
1985	194	2 550	494.0	92.00	45,450
1986	178	2 555	455.0	81.00	36,860
1987	190	2 270	431.8	104.00	44,910
1988	168	1 378	231.3	153.00	35,390
1989	194	1 699	330.0	87.00	28,710
1990	146	2 329	339.3	67.00	22,730
1991	109	2 032	222.1	84.00	18,660

TABLE 69: Oats Continued

Year	Harvested For Grain (000 acres)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	1,500	32.2	48,000	0.52	24,960
1958	1,430	35.1	50,000	0.56	28,000
1959	1,420	35.3	50,000	0.64	32,000
1960	1,500	37.3	56,000	0.62	34,720
1961	1,300	18.5	24,000	0.63	15,120
1962	1,794	49.6	89,000	0.59	52,510
1963	1,620	38.3	62,000	0.55	34,100
1964	1,635	44.6	73,000	0.65	47,450
1965	1,525	48.5	74,000	0.71	52,540
1966	1,530	41.8	64,000	0.75	48,000
1967	1,600	41.2	66,000	0.69	45,540
1968	1,580	51.3	81,000	0.50	40,500
1969	1,530	45.1	69,000	0.54	37,260
1970	1,260	42.1	53,000	0.57	30,210
1971	1,395	54.5	76,000	0.53	40,280
1972	1,140	48.2	55,000	0.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.52	65,360
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	0.99	57,420
1978	750	54.7	41,000	0.99	40,590
1979	450	44.4	20,000	1.37	27,400
1980	450	40.0	18,000	1.84	33,120
1981	600	50.0	30,000	1.62	48,620
1982	550	61.8	34,000	1.25	42,400
1983	550	47.3	26,000	1.70	44,110
1984	550	50.9	28,000	1.68	47,090
1985	480	66.7	32,000	1.43	45,450
1986*	440	67.0	29,500	1.25	36,860
1987*	470	59.6	28,000	1.61	44,910
1988*	415	36.1	15,000	2.33	35,390
1989*	480	44.6	21,400	1.34	28,710
1990*	360	61.1	22,000	1.03	22,730
1991	270	53.3	14,400	1.30	18,660

TABLE 70: Historical Production and Value of Barley

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	690	1 040	718.0	37.00	26,730
1958	641	1 495	958.0	37.00	35,640
1959	514	1 398	718.0	36.00	25,740
1960	376	1 390	523.0	39.00	20,160
1961	265	740	196.0	48.00	9,450
1962	255	1 790	457.0	44.00	20,160
1963	236	1 475	348.0	45.00	15,520
1964	201	1 730	348.0	48.00	16,800
1965	243	1 970	479.0	48.00	23,100
1966	354	1 725	610.0	50.00	30,800
1967	393	1 825	718.0	41.00	29,370
1968	473	1 980	936.0	36.00	33,970
1969	486	1 880	914.0	32.00	28,980
1970	607	1 830	1 110.0	34.00	37,740
1971	830	2 465	2 047.0	32.00	65,800
1972	850	2 180	1 851.0	58.00	107,100
1973	850	2 125	1 807.0	115.00	208,330
1974	728	1 585	1 154.0	102.00	117,600
1975	607	1 830	1 110.0	105.00	116,280
1976	647	2 255	1 459.0	92.00	134,000
1977	769	2 660	2 047.0	76.00	155,100
1978	708	2 615	1 851.0	78.00	143,650
1979	587	2 150	1 263.0	103.00	129,920
1980	809	1 940	1 568.0	137.00	214,560
1981	951	2 450	2 330.0	119.00	277,300
1982	809	2 930	2 373.0	91.00	215,940
1983	708	2 240	1 589.0	120.00	190,680
1984	728	2 660	1 938.0	121.00	234,500
1985	749	3 370	2 526.0	99.00	250,070
1986[a]	627	2 950	1 850.7	78.00	144,350
1987[a]	688	2 816	1 937.7	71.00	137,580
1988[a]	575	1 932	1 110.4	128.00	142,130
1989	647	2 390	1 546.0	115.00	177,790
1990[a]	607	3 228	1 960.0	79.00	154,840
1991	506	2 819	1 426.1	81.00	115,510

TABLE 70: Barley Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	1,704	19.4	33,000	0.81	26,730
1958	1,584	27.8	44,000	0.81	35,640
1959	1,270	25.9	33,000	0.78	25,740
1960	930	26.1	24,000	0.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	0.96	20,160
1963	584	27.4	16,000	0.97	15,520
1964	497	32.2	16,000	1.05	16,800
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	0.89	29,370
1968	1,170	36.8	43,000	0.79	33,970
1969	1,200	35.0	42,000	0.69	28,980
1970	1,500	34.0	51,000	0.74	37,740
1971	2,052	45.8	94,000	0.70	65,800
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,600
1975	1,500	34.0	51,000	2.28	116,280
1976	1,600	41.9	67,000	2.00	134,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.24	129,920
1980	2,000	36.0	72,000	2.98	214,560
1981	2,350	45.5	107,000	2.59	277,300
1982	2,000	54.5	109,000	1.98	215,940
1983	1,750	41.7	73,000	2.61	190,680
1984	1,800	49.4	89,000	2.63	234,500
1985	1,850	62.7	116,000	2.10	250,070
1986[R]	1,550	54.8	85,000	1.70	144,350
1987[R]	1,700	52.4	89,000	1.55	137,580
1988[R]	1,420	35.9	51,000	2.80	142,130
1989	1,600	44.4	71,000	2.50	177,790
1990[R]	1,500	60.0	90,000	1.72	154,840
1991	1,250	52.4	65,500	1.76	115,510

TABLE 71: Historical Production and Value of All Rye

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	29.9	1 020	30.5	35.00	1,056
1958	28.6	1 050	30.0	34.00	1,020
1959	34.0	1 245	42.3	35.00	1,461
1960	33.8	1 240	41.9	34.00	1,444
1961	31.8	705	22.4	43.00	957
1962	48.2	1 585	76.5	41.00	3,150
1963	38.2	1 395	53.3	49.00	2,625
1964	54.2	1 315	71.3	41.00	2,940
1965	54.2	1 410	76.5	41.00	3,120
1966	40.2	1 525	61.4	42.00	2,592
1967	57.4	1 175	67.4	43.00	2,880
1968	48.4	1 310	63.5	39.00	2,500
1969	66.2	1 140	75.5	34.00	2,573
1970	52.8	1 365	72.0	34.00	2,469
1971	51.6	1 625	83.8	29.00	2,460
1972	32.6	1 435	46.8	51.00	2,397
1973	32.8	1 650	54.1	105.00	5,684
1974	40.8	1 545	63.0	89.00	5,625
1975	47.8	1 590	76.0	99.00	7,500
1976	36.8	1 855	68.3	84.00	5,750
1977	44.8	1 880	84.3	86.00	7,190
1978	50.8	1 955	99.4	103.00	10,220
1979	50.4	1 580	79.6	145.00	11,590
1980	60.8	1 235	75.0	171.00	12,760
1981	76.4	2 290	175.1	148.00	25,910
1982	92.8	2 300	213.1	87.00	18,540
1983	85.0	1 920	163.0	107.00	17,440
1984	88.6	2 210	195.8	93.00	18,210
1985	78.2	2 140	167.3	66.00	11,040
1986[r]	29.1	1 973	57.4	61.00	3,500
1987[r]	26.3	1 738	45.7	86.00	3,930
1988[r]	44.5	1 256	55.9	105.00	5,870
1989[r]	93.1	2 128	198.1	78.00	15,450
1990[r]	72.8	2 183	157.5	58.00	9,130
1991	32.0	1 906	61.0	67.00	4,090

TABLE 71: All Rye Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	72.9	16.5	1,200	0.88	1,056
1958	71.5	16.8	1,200	0.85	1,020
1959	83.0	20.0	1,660	0.88	1,461
1960	83.0	20.0	1,660	0.87	1,444
1961	79.5	11.1	886	1.08	957
1962	119.0	25.2	3,000	1.05	3,150
1963	95.0	22.1	2,100	1.25	2,625
1964	133.0	21.1	2,800	1.05	2,940
1965	133.0	22.6	3,000	1.04	3,120
1966	100.5	23.9	2,400	1.08	2,592
1967	141.1	18.9	2,667	1.08	2,880
1968	120.0	20.8	2,500	1.00	2,500
1969	163.0	18.1	2,958	0.87	2,573
1970	130.0	21.8	2,838	0.87	2,469
1971	128.5	25.5	3,280	0.75	2,460
1972	81.5	22.5	1,830	1.31	2,397
1973	82.0	26.2	2,145	2.65	5,684
1974	102.0	24.5	2,500	2.25	5,625
1975	117.0	25.6	3,000	2.50	7,500
1976	92.0	29.3	2,700	2.13	5,750
1977	110.0	30.0	3,300	2.18	7,190
1978	125.0	31.2	3,900	2.62	10,220
1979	125.0	25.2	3,150	3.68	11,590
1980	150.0	19.6	2,940	4.34	12,760
1981	190.0	36.3	6,900	3.76	25,910
1982	230.0	36.5	8,400	2.21	18,540
1983	210.0	30.6	6,420	2.72	17,440
1984	220.0	35.0	7,710	2.36	18,210
1985	200.0	33.8	6,590	1.68	11,040
1986*	72.0	31.4	2,260	1.55	3,500
1987	65.0	27.7	1,800	2.18	3,930
1988*	110.0	20.0	2,200	2.67	5,870
1989*	230.0	33.9	7,800	1.98	15,450
1990*	180.0	34.4	6,200	1.47	9,130
1991	79.0	30.4	2,400	1.70	4,090

TABLE 72: Historical Production and Value of Mixed Grains

Year	Harvested Hectares* (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	29.3	1 390	40.8	30.00	1,220
1958	44.9	1 545	69.4	32.00	2,244
1959	55.0	1 555	85.5	36.00	3,058
1960	51.0	1 600	81.5	37.00	2,996
1961	63.5	920	58.3	45.00	2,600
1962	50.2	2 035	102.1	40.00	4,100
1963	51.0	1 560	79.6	37.00	2,964
1964	51.0	1 960	100.0	41.00	4,116
1965	59.1	2 075	122.5	42.00	5,100
1966	74.5	1 875	139.7	47.00	6,503
1967	72.0	1 900	136.8	44.00	6,030
1968	72.0	2 185	157.2	38.00	5,929
1969	76.9	1 885	144.9	31.00	4,544
1970	101.2	1 855	187.8	35.00	6,532
1971	114.9	2 400	275.6	32.00	8,775
1972	117.4	2 175	255.1	53.00	13,500
1973	119.4	2 135	255.1	101.00	25,875
1974	80.9	1 515	122.5	93.00	11,400
1975	80.9	1 890	153.1	91.00	13,950
1976	68.8	2 045	140.8	77.00	10,833
1977	68.8	2 375	163.3	80.00	13,040
1978	64.7	2 395	155.1	83.00	12,920
1979	56.7	2 125	120.4	105.00	12,626
1980	48.6	1 805	87.8	130.00	11,395
1981	48.6	2 265	110.2	115.00	12,670
1982	48.6	2 685	130.6	89.00	11,620
1983	48.6	2 015	98.0	115.00	11,270
1984	44.5	2 330	104.0	127.00	13,210
1985	40.5	2 750	112.0	92.00	10,300
1986e	14.2	2 585	36.7	68.00	2,500
1987e	14.2	2 585	36.7	72.00	2,640
1988e	10.1	1 614	16.3	121.00	1,970
1989e	12.1	2 190	26.5	100.00	2,650
1990e	10.9	2 431	26.5	80.00	2,120
1991	12.1	2 529	30.6	80.00	2,450

TABLE 72: Mixed Grains Continued

Year	Harvested Acres* (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	72.3	27.7	2,000	0.61	1,220
1958	111.0	30.6	3,400	0.66	2,244
1959	136.0	30.8	4,189	0.73	3,058
1960	126.0	31.7	3,994	0.75	2,996
1961	157.0	18.2	2,857	0.91	2,600
1962	124.0	40.3	5,000	0.82	4,100
1963	126.0	31.0	3,900	0.76	2,964
1964	126.0	38.9	4,900	0.84	4,116
1965	146.0	41.1	6,000	0.85	5,100
1966	184.0	37.2	6,845	0.95	6,503
1967	178.0	37.6	6,700	0.90	6,030
1968	178.0	43.3	7,700	0.77	5,929
1969	190.0	37.4	7,100	0.64	4,544
1970	250.0	36.8	9,200	0.71	6,532
1971	284.0	47.5	13,500	0.65	8,775
1972	290.0	43.1	12,500	1.08	13,500
1973	295.0	42.4	12,500	2.07	25,875
1974	200.0	30.0	6,000	1.90	11,400
1975	200.0	37.5	7,500	1.86	13,950
1976	170.0	40.6	6,900	1.57	10,833
1977	170.0	47.1	8,000	1.63	13,040
1978	160.0	47.5	7,600	1.70	12,920
1979	140.0	42.1	5,900	2.14	12,626
1980	120.0	35.8	4,300	2.65	11,395
1981	120.0	45.0	5,400	2.35	12,670
1982	120.0	53.3	6,400	1.82	11,620
1983	120.0	40.0	4,800	2.35	11,270
1984	110.0	46.4	5,100	2.59	13,210
1985	100.0	55.0	5,500	1.88	10,300
1986^	35.0	51.4	1,800	1.39	2,500
1987^	35.0	51.4	1,800	1.47	2,640
1988^	25.0	32.0	800	2.47	1,970
1989^	30.0	43.3	1,300	2.04	2,650
1990^	27.0	48.1	1,300	1.63	2,120
1991	30.0	50.0	1,500	1.63	2,450

* Seeded area to 1985, harvested area 1986 to 1991.

TABLE 73: Historical Production and Value of Grain Corn

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1957	3.2	1 595	5.1	47.00	240
1958	2.8	1 570	4.4	46.00	203
1959	2.0	1 900	3.8	37.00	142
1960	2.2	2 045	4.5	43.00	193
1961	1.7	1 825	3.1	45.00	141
1962	1.3	2 615	3.4	45.00	152
1963	1.8	2 555	4.6	49.00	225
1964	2.0	1 600	3.2	47.00	150
1965	2.4	1 585	3.8	49.00	188
1966	1.2	2 750	3.3	58.00	191
1967	2.2	3 180	7.0	59.00	412
1968	1.0	2 500	2.5	53.00	132
1969	1.2	2 085	2.5	54.00	135
1970	1.4	2 570	3.6	58.00	210
1971	3.7	3 025	11.2	49.00	550
1972	5.3	3 360	17.8	61.00	1,085
1973	6.5	3 445	22.4	120.00	2,684
1974	2.0	2 400	4.8	145.00	697
1975	4.9	3 900	19.1	120.00	2,288
1976	6.9	4 230	29.2	119.00	3,473
1977	9.7	4 060	39.4	103.00	4,061
1978	35.6	4 140	147.3	110.00	16,240
1979	52.6	3 765	198.1	124.00	24,570
1980	56.7	3 360	190.5	134.00	25,500
1981	91.1	4 740	431.8	106.00	45,770
1982	80.9	3 140	254.0	105.00	26,670
1983	77.0	2 830	218.0	130.00	28,340
1984	73.0	3 230	236.0	140.00	33,040
1985	40.5	1 880	76.0	120.00	9,120
1986	13.8	4 420	61.0	92.00	5,610
1987[a]	20.2	5 406	109.2	92.00	10,050
1988[a]	34.4	3 323	114.3	133.00	15,200
1989[a]	36.4	3 140	114.3	122.00	13,940
1990[a]	34.4	4 799	165.1	110.00	18,160
1991	40.5	5 080	205.7	105.00	21,600

TABLE 73: Grain Corn Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	8.0	25.0	200	1.20	240
1958	7.0	25.0	175	1.16	203
1959	5.0	30.0	150	0.95	142
1960	5.5	32.5	179	1.08	193
1961	4.1	30.0	123	1.15	141
1962	3.3	40.0	132	1.15	152
1963	4.5	40.0	180	1.25	225
1964	5.0	25.0	125	1.20	150
1965	6.0	25.0	150	1.25	188
1966	2.9	44.8	130	1.47	191
1967	5.5	50.0	275	1.50	412
1968	2.5	40.0	100	1.32	132
1969	3.0	33.3	100	1.35	135
1970	3.5	40.0	140	1.50	210
1971	9.1	48.4	440	1.25	550
1972	13.0	53.8	700	1.55	1,085
1973	16.0	55.0	880	3.05	2,684
1974	5.0	38.0	190	3.67	697
1975	12.0	62.5	750	3.05	2,288
1976	17.0	67.6	1,150	3.02	3,473
1977	24.0	64.6	1,550	2.62	4,061
1978	88.0	65.9	5,800	2.80	16,240
1979	130.0	60.0	7,800	3.15	24,570
1980	140.0	53.6	7,500	3.40	25,500
1981	225.0	75.6	17,000	2.69	45,770
1982	200.0	50.0	10,000	2.67	26,670
1983	190.0	45.3	8,600	3.30	28,340
1984	180.0	51.7	9,300	3.55	33,040
1985	100.0	30.0	3,000	3.04	9,120
1986	34.0	70.6	2,400	2.34	5,610
1987[a]	50.0	86.0	4,300	2.33	10,050
1988[a]	85.0	52.9	4,500	3.37	15,200
1989[a]	90.0	50.0	4,500	3.10	13,940
1990[a]	85.0	76.5	6,500	2.79	18,160
1991	100.0	81.0	8,100	2.67	21,600

TABLE 74: Historical Production Value Summary of Oilseeds

Year	Canola	Flaxseed	Sunflower Seed	TOTAL OILSEEDS
		- thousand dollars -		
1957	516	8,680	540	9,736
1958	365	12,314	1,006	13,685
1959	360	13,984	614	14,958
1960	960	17,600	1,008	19,568
1961	648	14,190	961	15,799
1962	1,015	23,400	845	25,260
1963	1,900	26,505	1,547	29,952
1964	3,969	31,270	1,260	36,499
1965	5,880	43,578	1,584	51,042
1966	5,145	28,350	1,680	35,175
1967	4,416	17,556	1,584	23,556
1968	3,572	29,536	1,200	34,308
1969	8,400	26,214	1,870	36,484
1970	16,704	25,530	3,250	45,484
1971	25,800	12,862	7,091	45,753
1972	26,350	24,190	10,640	61,180
1973	44,968	72,580	8,750	126,298
1974	60,095	63,096	3,731	126,922
1975	63,875	55,020	6,600	125,495
1976	27,540	44,160	5,300	77,000
1977	80,640	68,250	20,125	169,015
1978	161,925	85,125	27,940	274,990
1979	151,500	124,425	50,600	326,525
1980	83,720	69,510	35,000	188,230
1981	86,650	84,500	41,980	213,130
1982	103,790	106,600	17,290	277,680
1983	152,050	95,930	12,160	260,140
1984	190,940	139,160	28,580	358,680
1985	167,000	148,140	13,570	328,710
1986*	111,700	94,480	6,920	213,100
1987*	140,050	78,560	8,990	227,600
1988*	189,860	65,270	8,090	263,220
1989*	102,180	72,320	15,940	190,440
1990*	116,940	79,250	23,660	219,850
1991	187,080	51,840	27,350	266,270

TABLE 75: Historical Production and Value of Canola

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	11.1	700	7.8	66.00	516
1958	6.5	670	5.7	64.00	365
1959	4.9	840	4.1	88.00	360
1960	13.4	815	10.9	88.00	960
1961	11.9	690	8.2	79.00	648
1962	13.0	1 015	13.2	77.00	1,015
1963	18.2	945	17.2	110.00	1,900
1964	34.0	980	33.3	119.00	3,969
1965	58.7	925	54.4	108.00	5,880
1966	68.8	690	47.6	108.00	5,145
1967	58.7	890	52.2	85.00	4,416
1968	36.8	1 170	43.1	83.00	3,572
1969	79.3	1 000	79.4	106.00	8,400
1970	161.9	1 010	163.3	102.00	16,704
1971	235.1	1 160	272.2	95.00	25,800
1972	190.2	1 015	192.8	137.00	26,350
1973	161.9	1 080	174.6	258.00	44,968
1974	202.3	955	192.8	312.00	60,095
1975	303.5	935	283.5	225.00	63,875
1976	101.2	1 010	102.1	270.00	27,540
1977	202.3	1 435	290.3	278.00	80,640
1978	424.9	1 360	578.3	280.00	161,925
1979	546.3	1 040	567.0	267.00	151,500
1980	323.7	910	294.8	284.00	83,720
1981	242.8	1 260	306.2	283.00	86,650
1982	344.0	1 160	399.2	260.00	103,790
1983	384.0	1 030	397.0	383.00	152,050
1984	486.0	1 120	544.0	351.00	190,940
1985	405.0	1 570	635.0	263.00	167,000
1986*	396.6	1 430	567.0	197.00	111,700
1987*	392.5	1 445	567.0	247.00	140,050
1988*	647.5	981	635.0	299.00	189,860
1989*	445.2	866	385.6	265.00	102,180
1990*	352.1	1 308	460.4	254.00	116,940
1991	507.8	1 568	796.1	235.00	187,080

TABLE 75: Canola Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	27.5	12.5	344	1.50	516
1958	21.0	12.0	252	1.45	365
1959	12.0	15.0	180	2.00	360
1960	33.0	14.5	480	2.00	960
1961	29.3	12.3	360	1.80	648
1962	32.2	18.0	580	1.75	1,015
1963	45.0	16.9	760	2.50	1,900
1964	84.0	17.5	1,470	2.70	3,969
1965	145.0	16.6	2,400	2.45	5,880
1966	170.0	12.4	2,100	2.45	5,145
1967	145.0	15.9	2,300	1.92	4,416
1968	91.0	20.9	1,900	1.88	3,572
1969	196.0	17.9	3,500	2.40	8,400
1970	400.0	18.0	7,200	2.32	16,704
1971	581.0	20.7	12,000	2.15	25,800
1972	470.0	18.1	8,500	3.10	26,350
1973	400.0	19.2	7,700	5.84	44,968
1974	500.0	17.0	8,500	7.07	60,095
1975	750.0	16.7	12,500	5.11	63,875
1976	250.0	18.0	4,500	6.12	27,540
1977	500.0	25.6	12,800	6.30	80,640
1978	1,050.0	24.3	25,500	6.35	161,925
1979	1,350.0	18.5	25,000	6.06	151,500
1980	800.0	16.2	13,000	6.44	83,720
1981	600.0	22.5	13,500	6.42	86,650
1982	850.0	20.7	17,600	5.90	103,790
1983	950.0	18.4	17,500	8.69	152,050
1984	1,200.0	20.0	24,000	7.96	190,940
1985	1,000.0	28.0	28,000	5.96	167,000
1986*	980.0	25.5	25,000	4.47	111,700
1987*	970.0	25.8	25,000	5.60	140,050
1988*	1,600.0	17.5	28,000	6.78	189,860
1989*	1,100.0	15.5	17,000	6.01	102,180
1990*	870.0	23.3	20,300	5.76	116,940
1991	1,254.7	28.0	35,100	5.33	187,080

TABLE 76: Historical Production and Value of Flaxseed

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	350.0	255	88.9	98.00	9.680
1958	223.0	535	119.4	103.00	12.314
1959	233.0	500	116.8	120.00	13.984
1960	286.0	570	162.6	108.00	17.600
1961	303.0	360	109.2	130.00	14.190
1962	270.0	735	198.1	118.00	23.400
1963	332.0	710	236.2	112.00	26.505
1964	415.0	650	269.3	116.00	31.270
1965	546.0	755	411.5	106.00	43.578
1966	448.0	595	266.7	106.00	28.350
1967	267.0	540	144.8	121.00	17.556
1968	332.0	795	264.2	112.00	29.536
1969	445.0	580	259.1	101.00	26.214
1970	445.0	655	292.1	87.00	25.530
1971	229.0	655	149.9	86.00	12.862
1972	202.0	740	149.9	161.00	24.190
1973	243.0	795	193.0	376.00	72.580
1974	283.0	590	167.6	376.00	63.096
1975	304.0	700	213.4	258.00	55.020
1976	212.0	755	160.0	276.00	44.160
1977	304.0	1.085	330.2	207.00	68.250
1978	304.0	1.045	317.5	268.00	85.125
1979	506.0	880	444.5	280.00	124.425
1980	324.0	650	210.8	331.00	69.510
1981	283.0	925	261.6	323.00	84.500
1982	364.0	1.200	436.9	244.00	106.600
1983	304.0	980	297.0	323.00	95.930
1984	425.0	1.030	439.0	317.00	139.160
1985	425.0	1.320	559.0	265.00	148.140
1986*	414.8	1.317	546.1	173.00	94.480
1987*	315.7	1.263	398.8	197.00	78.560
1988*	259.0	696	180.3	362.00	65.270
1989*	279.2	783	218.5	331.00	72.320
1990*	295.4	1.290	381.0	208.00	79.250
1991	250.1	1.320	330.2	157.00	51.840

TABLE 76: Flaxseed Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	865	4.0	3,500	2.48	8,680
1958	550	8.6	4,700	2.62	12,314
1959	575	8.0	4,600	3.04	13,984
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.5	10,500	2.70	28,350
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,100	10.5	11,500	2.22	25,530
1971	566	10.4	5,900	2.18	12,862
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	7.01	44,160
1977	750	17.3	13,000	5.25	68,250
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,425
1980	800	10.4	8,300	8.41	69,510
1981	700	14.7	10,300	8.20	84,500
1982	900	19.1	17,200	6.20	106,600
1983	750	15.6	11,700	8.20	95,930
1984	1,050	16.5	17,300	8.05	139,160
1985	1,050	21.0	22,000	6.73	148,140
1986[R]	1,025	21.0	21,500	4.39	94,480
1987[R]	780	20.1	15,700	5.00	78,560
1988[R]	640	11.1	7,100	9.20	65,270
1989[R]	690	12.5	8,600	8.41	72,320
1990[R]	730	20.5	15,000	5.28	79,250
1991	618	21.0	13,000	4.00	51,840

TABLE 77: Historical Production and Value of Sunflower Seed

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1957	12.1	448	5 443	99.21	540
1958	18.2	482	8 777	114.62	1,006
1959	12.9	545	7 000	88.00	614
1960	11.3	905	10 200	99.00	1,008
1961	12.3	790	9 700	99.00	961
1962	8.3	845	7 000	121.00	845
1963	15.0	1 060	15 900	97.00	1,547
1964	19.4	590	11 400	111.00	1,260
1965	19.4	620	12 000	132.00	1,584
1966	17.4	730	12 700	132.00	1,680
1967	17.8	900	16 000	99.00	1,584
1968	15.0	725	10 900	110.00	1,200
1969	19.4	795	15 400	121.00	1,870
1970	26.3	895	23 600	138.00	3,250
1971	62.7	840	52 700	135.00	7,091
1972	76.9	895	68 900	154.00	10,640
1973	50.6	785	39 700	220.00	8,750
1974	8.5	975	8 300	450.00	3,731
1975	25.1	1 190	29 900	221.00	6,600
1976	20.2	1 190	24 000	221.00	5,300
1977	66.8	1 190	79 400	253.00	20,125
1978	87.0	1 325	115 200	243.00	27,940
1979	153.8	1 355	208 700	242.00	50,600
1980	129.5	1 225	158 800	220.00	35,000
1981	109.3	1 455	159 000	264.00	41,980
1982	70.8	1 235	87 300	198.00	17,290
1983	36.4	1 120	40 800	298.00	12,160
1984	68.8	1 150	79 400	360.00	28,580
1985	48.6	1 210	59 000	230.00	13,570
1986[R]	23.1	1 433	33 100	209.00	6,920
1987[R]	28.3	1 572	44 500	202.00	8,990
1988[R]	34.4	1 238	42 600	190.00	8,090
1989[R]	46.5	1 355	63 000	253.00	15,940
1990[R]	56.7	1 776	100 700	235.00	23,660
1991	73.8	1 684	124 300	220.00	27,350

TABLE 77: Sunflower Seed Continued

Year	Harvested Acres (000)	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1957	30.0	400	12,000	.045	540
1958	45.0	430	19,350	.052	1,006
1959	32.0	480	15,360	.040	614
1960	28.0	800	22,400	.045	1,008
1961	30.5	700	21,350	.045	961
1962	20.5	749	15,360	.055	845
1963	37.0	950	35,150	.044	1,547
1964	48.0	525	25,200	.050	1,260
1965	48.0	550	26,400	.060	1,584
1966	43.1	650	28,000	.060	1,680
1967	44.0	800	35,200	.045	1,584
1968	37.0	650	24,000	.050	1,200
1969	48.0	708	34,000	.055	1,870
1970	65.0	800	52,000	.0625	3,250
1971	155.0	750	116,250	.061	7,091
1972	190.0	800	152,000	.070	10,640
1973	125.0	700	87,500	.100	8,750
1974	21.0	867	18,200	.205	3,731
1975	62.0	1,065	66,000	.100	6,600
1976	50.0	1,060	53,000	.100	5,300
1977	165.0	1,061	175,000	.115	20,125
1978	215.0	1,182	254,000	.110	27,940
1979	380.0	1,211	460,000	.110	50,600
1980	320.0	1,094	350,000	.100	35,000
1981	270.0	1,300	350,000	.120	41,980
1982	175.0	1,100	192,500	.090	17,290
1983	90.0	1,000	90,000	.135	12,160
1984	170.0	1,030	175,000	.163	28,580
1985	120.0	1,080	130,000	.100	13,570
1986[R]	57.0	1,281	73,000	.090	6,920
1987	70.0	1,400	98,000	.090	8,990
1988[R]	85.0	1,106	94,000	.090	8,090
1989[R]	115.0	1,209	139,000	.115	15,940
1990[R]	140.0	1,586	222,000	.107	23,660
1991	182.4	1,502	274,000	.100	27,350

TABLE 78: Historical Production Value Summary of Other Crops
- continued on next page

Year	Buckwheat	Canary Seed	Dry Beans	Dry Peas	Fababeans	Lentils
			- thousand dollars -			
1957	341			1,260		
1958	370			1,456		
1959	135			1,117		
1960	234			1,534		
1961	164			1,470		
1962	336			1,100		
1963	435	26	10	1,610		
1964	400	NA	NA	2,578		
1965	210	9	10	1,699		
1966	629	60	2	1,645		
1967	1,050	NA	NA	1,470		
1968	1,034	NA	NA	1,072		
1969	1,138	270	10	1,402		
1970	1,960	130	20	1,897		
1971	2,400	70	120	2,100		
1972	1,610	120	260	1,900	300	110
1973	3,375	270	390	4,620	1,700	120
1974	3,402	110	120	5,246	100	190
1975	1,462	360	340	3,375	200	40
1976	1,616	980	870	4,702	100	40
1977	6,750	1,820	260	7,425	400	600
1978	12,150	1,160	240	7,790	1,000	270
1979	4,380	900	720	8,265	1,500	2,070
1980	5,000	2,230	1,510	11,664	2,200	4,620
1981	17,230	5,250	4,170	19,720	2,100	7,550
1982	6,910	4,560	3,060	15,750	1,500	7,000
1983	7,648	2,380	1,930	14,960	1,700	3,500
1984	4,520	3,000	1,670	18,520	1,400	5,400
1985	3,680	3,000	2,990	21,310	1,000	7,100
1986[R]	5,010	6,620	6,750	19,650	2,000	8,320
1987[R]	5,010	2,210	5,800	27,970	2,900	12,310
1988[R]	3,480	2,210	5,280	16,960	1,100	2,300
1989[R]	4,060	5,350	3,610	13,240	1,000	5,950
1990[R]	3,600	3,840	9,100	13,080	1,100	15,960
1991	3,200	1,240	6,850	13,930	390	20,160

TABLE 78: Other Crops Continued

Year	Mustard Seed	Wild Rice	Fodder Corn	Tame Hay	Sugar Beets	TOTAL OTHER CROPS
			- thousand dollars -			
1957	6		540	12,750	2,742	17,639
1958	15		825	14,011	3,233	19,910
1959	7		1,022	22,020	2,289	26,590
1960	15		1,001	20,717	3,547	27,048
1961	184		1,188	15,820	2,430	21,256
1962	482		1,820	29,260	3,976	36,974
1963	1,010		2,114	28,005	5,791	39,001
1964	435		1,470	23,440	4,034	32,357
1965	1,214		1,834	26,928	4,502	36,406
1966	882		1,596	34,617	4,106	43,535
1967	1,096		980	28,000	4,036	36,632
1968	2,750		1,176	29,600	4,767	40,399
1969	1,020		1,099	31,350	5,937	42,226
1970	760	60	840	33,450	3,700	42,817
1971	312	250	490	34,650	6,926	47,318
1972	562	361	1,600	40,000	7,301	54,124
1973	2,240	439	1,980	66,000	9,803	90,937
1974	5,550	110	2,940	84,000	11,281	113,049
1975	1,812	128	4,350	92,500	14,374	118,941
1976	1,613	351	4,200	97,968	11,918	124,358
1977	3,780	1,512	5,250	97,500	12,523	137,820
1978	7,040	1,071	6,800	107,010	14,230	158,761
1979	2,100	1,273	7,560	117,936	19,465	166,169
1980	5,400	629	12,180	95,250	13,057	153,740
1981	7,300	706	9,560	136,080	16,762	226,428
1982	2,570	461	12,020	124,740	19,518	198,089
1983	4,090	497	7,700	119,740	13,229	177,374
1984	4,800	1,135	6,860	129,400	11,288	187,993
1985	5,250	677	7,370	136,720	12,967	202,064
1986[R]	4,940	770	7,620	188,120	15,149	264,949
1987[R]	2,000	940	4,390	139,340	17,785	220,655
1988[R]	1,330	1,017	4,500	117,230	10,055	165,462
1989[R]	2,290	900	4,530	147,340	14,839	203,109
1990[R]	3,670	935	3,800	166,930	12,760	234,775
1991	1,960	1,064	6,350	159,800	13,154	228,098

TABLE 79: Historical Production and Value of Buckwheat

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	14.2	700	9 900	34.45	341
1958	12.1	740	8 900	41.35	370
1959	6.1	540	3 300	41.35	135
1960	6.1	835	5 100	46.00	234
1961	5.3	585	3 100	53.00	164
1962	4.0	1 140	4 550	74.00	336
1963	6.1	1 075	6 550	66.00	435
1964	10.5	830	8 700	46.00	400
1965	8.1	535	4 350	48.00	210
1966	9.2	805	7 400	85.00	629
1967	18.2	630	11 450	92.00	1,050
1968	20.2	570	11 550	90.00	1,034
1969	20.2	700	14 150	80.00	1,138
1970	32.4	940	30 500	64.00	1,960
1971	32.4	1 075	34 850	69.00	2,400
1972	30.4	825	25 050	64.00	1,610
1973	26.3	745	19 600	172.00	3,375
1974	16.2	940	15 240	223.00	3,402
1975	10.1	925	9 350	156.00	1,462
1976	17.8	490	8 700	186.00	1,616
1977	32.4	1 010	32 650	207.00	6,750
1978	48.6	1 210	58 800	207.00	12,150
1979	54.6	400	21 750	201.00	4,380
1980	39.7	440	17 400	287.00	5,000
1981	50.6	900	45 700	377.00	17,230
1982	46.5	470	21 800	317.00	6,910
1983	36.4	660	23 900	320.00	7,648
1984	28.3	460	13 100	345.00	4,520
1985	12.1	880	10 700	344.00	3,680
1986[R]	21.9	922	20 200	248.00	5,010
1987[R]	16.2	1 247	20 200	248.00	5,010
1988[R]	22.3	614	13 700	254.00	3,480
1989[R]	16.2	728	11 800	344.00	4,060
1990[R]	20.2	1 079	21 800	165.00	3,600
1991	15.7	1 110	17 400	184.00	3,200

TABLE 79: Buckwheat Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	35.0	13.0	455	0.75	341
1958	30.0	13.7	411	0.90	370
1959	15.0	10.0	150	0.90	135
1960	15.0	15.6	234	1.00	234
1961	13.2	10.8	143	1.15	164
1962	10.0	21.0	210	1.60	336
1963	15.0	20.0	300	1.45	435
1964	26.0	15.4	400	1.00	400
1965	20.0	10.0	200	1.05	210
1966	22.7	15.0	340	1.85	629
1967	45.0	11.7	525	2.00	1,050
1968	50.0	10.6	530	1.95	1,034
1969	50.0	13.0	650	1.75	1,138
1970	80.0	17.5	1,400	1.40	1,960
1971	80.0	20.0	1,600	1.50	2,400
1972	75.0	15.3	1,150	1.40	1,610
1973	65.0	13.8	900	3.75	3,375
1974	40.0	17.5	700	4.86	3,402
1975	25.0	17.2	430	3.40	1,462
1976	44.0	9.1	400	4.04	1,616
1977	80.0	18.8	1,500	4.50	6,750
1978	120.0	22.5	2,700	4.50	12,150
1979	135.0	7.4	1,000	4.38	4,380
1980	98.0	8.2	800	6.25	5,000
1981	125.0	16.8	2,100	8.21	17,230
1982	115.0	8.7	1,000	6.90	6,910
1983	90.0	12.2	1,100	6.95	7,648
1984	70.0	8.6	600	7.51	4,520
1985	30.0	16.3	490	7.48	3,680
1986	54.0	17.2	930	5.40	5,010
1987	40.0	23.3	930	5.40	5,010
1988[a]	55.0	11.5	630	5.53	3,480
1989[a]	40.0	13.5	540	7.50	4,060
1990[a]	50.0	20.0	1,000	3.60	3,600
1991	38.7	20.7	800	4.00	3,200

TABLE 80: Historical Production and Value of Canary Seed

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1963	600	560	340	77.00	26
1964	NA	NA	NA	NA	NA
1965	100	673	80	110.00	9
1966	1 000	673	680	88.00	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	2 400	1 009	2 450	110.00	270
1970	2 000	841	1 700	77.00	130
1971	800	1 065	860	77.00	70
1972	1 400	953	1 350	88.00	120
1973	1 800	953	1 740	154.00	270
1974	600	560	360	309.00	110
1975	1 600	841	1 360	265.00	360
1976	3 000	1 121	3 400	287.00	980
1977	6 100	1 233	7 480	243.00	1,820
1978	6 900	953	6 550	176.00	1,160
1979	7 000	729	5 100	176.00	900
1980	10 900	841	9 190	243.00	2,230
1981	14 200	841	11 900	441.00	5,250
1982	19 400	1 065	20 700	220.00	4,560
1983	8 900	1 278	11 400	209.00	2,380
1984	12 100	897	10 900	276.00	3,000
1985	8 100	1 345	10 900	276.00	3,000
1986[p]	23 100	1 238	28 600	231.00	6,600
1987[p]	10 100	1 327	13 400	165.00	2,210
1988	10 100	762	7 700	287.00	2,210
1989[p]	14 200	1 423	20 200	265.00	5,350
1990[p]	12 100	1 496	18 100	212.00	3,840
1991	8 100	898	7 300	170.00	1,240

TABLE 80: Canary Seed Continued

Year	Harvested Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1963	1,500	500	800	0.035	26
1964	NA	NA	NA	NA	NA
1965	300	600	200	0.050	9
1966	2,500	600	1,500	0.040	60
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	6,000	900	5,400	0.050	270
1970	5,000	750	3,800	0.035	130
1971	2,000	950	1,900	0.035	70
1972	3,500	850	3,000	0.040	120
1973	4,500	850	3,800	0.070	270
1974	1,600	500	800	0.140	110
1975	4,000	750	3,000	0.120	360
1976	7,500	1,000	7,500	0.130	980
1977	15,000	1,100	16,500	0.110	1,820
1978	17,000	850	14,500	0.080	1,160
1979	17,300	650	11,200	0.080	900
1980	27,000	750	20,300	0.110	2,230
1981	35,000	750	26,300	0.200	5,250
1982	48,000	950	45,600	0.100	4,560
1983	22,000	1,140	25,100	0.095	2,380
1984	30,000	800	24,000	0.125	3,000
1985	20,000	1,200	24,000	0.125	3,000
1986[R]	57,000	1,105	63,000	0.105	6,620
1987	25,000	1,180	29,500	0.075	2,210
1988	25,000	680	17,000	0.130	2,210
1989[R]	35,000	1,271	44,500	0.120	5,350
1990[R]	30,000	1,333	40,000	0.096	3,840
1991	20,100	796	16,000	0.077	1,240

TABLE 81: Historical Production and Value of Dry Beans

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1963	40	1 009	40	140.00	10
1964	NA	NA	NA	NA	NA
1965	120	673	80	132.00	10
1966	30	560	10	176.00	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	100	560	80	176.00	10
1970	200	560	140	176.00	20
1971	600	1 233	700	176.00	120
1972	1 200	1 233	1 500	176.00	260
1973	600	1 233	790	496.00	390
1974	500	1 009	490	243.00	120
1975	800	1 121	860	392.00	340
1976	3 000	880	2 620	331.00	870
1977	800	1 009	780	331.00	260
1978	600	1 098	670	357.00	240
1979	1 000	1 524	1 540	467.00	720
1980	2 000	1 211	2 450	617.00	1,510
1981	7 800	863	6 750	617.00	4,170
1982	8 500	1 087	9 240	331.00	3,060
1983	3 000	1 031	3 130	617.00	1,930
1984	2 800	1 233	3 440	485.00	1,670
1985	5 300	1 289	6 780	441.00	2,990
1986	4 800	1 592	7 660	882.00	6,750
1987	8 100	1 625	13 150	441.00	5,800
1988	8 900	841	7 480	705.00	5,280
1989	12 100	498	6 040	595.00	3,610
1990	17 000	1 345	22 860	397.00	9,100
1991	15 200	1 330	20 220	339.00	6,850

TABLE 81: Dry Beans Continued

Year	Harvested Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1963	100	900	900	0.063	10
1964	NA	NA	NA	NA	NA
1965	300	600	180	0.060	10
1966	100	500	30	0.080	2
1967	NA	NA	NA	NA	NA
1968	NA	NA	NA	NA	NA
1969	400	500	180	0.080	10
1970	600	500	300	0.080	20
1971	1,400	1,100	1,540	0.080	120
1972	3,000	1,100	3,300	0.080	260
1973	1,600	1,100	1,740	0.225	390
1974	1,200	900	1,080	0.110	120
1975	1,900	1,000	1,900	0.178	340
1976	7,400	785	5,770	0.150	870
1977	1,900	900	1,710	0.150	260
1978	1,500	980	1,470	0.162	240
1979	2,500	1,360	3,400	0.212	720
1980	5,000	1,080	5,400	0.280	1,510
1981	19,300	770	14,880	0.280	4,170
1982	21,000	970	20,370	0.150	3,060
1983	7,500	920	6,900	0.280	1,930
1984	6,900	1,100	7,590	0.220	1,670
1985	13,000	1,150	14,950	0.200	2,990
1986	11,900	1,420	16,880	0.400	6,750
1987	20,000	1,450	29,000	0.200	5,800
1988	22,000	750	16,500	0.320	5,280
1989	30,000	444	13,320	0.270	3,610
1990	42,000	1,200	50,400	0.180	9,100
1991	37,500	1,189	44,600	0.154	6,850

TABLE 82: Historical Production and Value of Dry Peas

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	22.7	1 005	22 850	55.00	1,260
1958	21.0	945	19 800	74.00	1,456
1959	19.8	810	16 000	70.00	1,117
1960	16.6	1 255	20 850	74.00	1,534
1961	18.9	1 010	19 050	77.00	1,470
1962	12.9	1 055	13 600	81.00	1,100
1963	15.0	1 270	19 050	85.00	1,610
1964	23.9	1 545	36 950	70.00	2,578
1965	17.2	1 495	25 700	66.00	1,699
1966	18.6	1 070	19 900	83.00	1,645
1967	12.1	1 575	19 050	77.00	1,470
1968	13.4	1 070	14 350	75.00	1,072
1969	21.0	970	20 400	69.00	1,402
1970	24.3	1 140	27 750	68.00	1,897
1971	20.5	1 595	32 650	64.00	2,100
1972	18.2	1 495	27 200	70.00	1,900
1973	14.2	1 610	22 850	202.00	4,620
1974	16.2	1 395	22 600	232.00	5,246
1975	14.2	1 435	20 400	165.00	3,375
1976	15.4	1 750	26 950	174.00	4,702
1977	22.3	1 650	36 750	202.00	7,425
1978	25.5	2 025	51 700	151.00	7,790
1979	28.3	1 825	51 700	160.00	8,265
1980	34.0	1 440	49 000	238.00	11,664
1981	40.5	1 950	78 900	250.00	19,720
1982	44.5	1 830	81 600	193.00	15,750
1983	40.5	1 680	68 000	220.00	14,960
1984	44.5	1 830	81 600	227.00	18,520
1985	40.5	2 490	101 000	211.00	21,310
1986[a]	58.7	1 761	103 400	190.00	19,650
1987[a]	72.8	1 981	144 200	194.00	27,970
1988[a]	72.8	1 084	78 900	215.00	16,960
1989[a]	46.5	1 523	70 800	187.00	13,240
1990[a]	36.4	2 019	73 500	178.00	13,080
1991	51.6	1 637	84 400	165.00	13,930

TABLE 82: Dry Peas Continued

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	56.0	15.0	840	1.50	1,260
1958	52.0	14.0	728	2.00	1,456
1959	49.0	12.0	588	1.90	1,117
1960	41.0	18.7	767	2.00	1,534
1961	46.7	15.0	700	2.10	1,470
1962	31.8	15.7	500	2.20	1,100
1963	37.0	18.9	700	2.30	1,610
1964	59.0	23.0	1,357	1.90	2,578
1965	42.5	22.2	944	1.80	1,699
1966	46.0	15.9	731	2.25	1,645
1967	30.0	23.3	700	2.10	1,470
1968	33.0	16.0	528	2.03	1,072
1969	52.0	14.4	750	1.87	1,402
1970	60.0	17.0	1,020	1.86	1,897
1971	50.7	23.7	1,200	1.75	2,100
1972	45.0	22.2	1,000	1.90	1,900
1973	35.0	24.0	840	5.50	4,620
1974	40.0	20.8	830	6.32	5,246
1975	35.0	21.4	750	4.50	3,375
1976	38.0	26.1	990	4.75	4,702
1977	55.0	24.5	1,350	5.50	7,425
1978	63.0	30.2	1,900	4.10	7,790
1979	70.0	27.1	1,900	4.35	8,265
1980	84.0	21.4	1,800	6.48	11,664
1981	100.0	29.0	2,900	6.80	19,720
1982	110.0	27.3	3,000	5.25	15,750
1983	100.0	25.0	2,500	5.98	14,960
1984	110.0	27.3	3,000	6.18	18,520
1985	100.0	37.0	3,700	5.75	21,310
1986[R]	145.0	26.2	3,800	5.17	19,650
1987[R]	180.0	29.4	5,300	5.28	27,970
1988	180.0	16.1	2,900	5.85	16,960
1989[R]	115.0	22.6	2,600	5.09	13,240
1990[R]	90.0	30.0	2,700	4.84	13,080
1991	127.4	24.3	3,100	4.50	13,930

TABLE 83: Historical Production and Value of Fababeans

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1972	800	2 578	2 090	143.00	300
1973	5 300	2 242	11 790	143.00	1,700
1974	1 000	897	910	143.00	100
1975	800	1 681	1 360	121.00	200
1976	600	1 569	950	143.00	100
1977	1 200	2 578	3 130	121.00	400
1978	4 000	1 961	7 940	121.00	1,000
1979	6 500	1 513	9 800	154.00	1,500
1980	8 900	1 345	11 970	187.00	2,200
1981	4 800	2 034	9 850	209.00	2,100
1982	5 300	1 480	7 780	198.00	1,500
1983	4 000	2 242	9 070	187.00	1,700
1984	4 900	1 457	7 080	198.00	1,400
1985	4 500	1 345	5 990	163.00	1,000
1986	5 300	2 018	10 700	187.00	2,000
1987	6 500	2 690	17 420	165.00	2,900
1988	7 300	1 009	7 350	154.00	1,100
1989	6 100	897	5 440	176.00	1,000
1990	3 200	1 905	6 170	176.00	1,100
1991	900	2 500	2 200	176.00	390

Year	Harvested Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1972	2,000	2,300	4,600	0.065	300
1973	13,000	2,000	26,000	0.065	1,700
1974	2,500	800	2,000	0.065	100
1975	2,000	1,500	3,000	0.055	200
1976	1,500	1,400	2,100	0.065	100
1977	3,000	2,300	6,900	0.055	400
1978	10,000	1,750	17,500	0.055	1,000
1979	16,000	1,350	21,600	0.070	1,500
1980	22,000	1,200	26,400	0.085	2,200
1981	12,000	1,815	21,700	0.095	2,100
1982	13,000	1,320	17,200	0.090	1,500
1983	10,000	2,000	20,000	0.085	1,700
1984	12,000	1,300	15,600	0.090	1,400
1985	11,000	1,200	13,200	0.074	1,000
1986	13,100	1,800	23,600	0.085	2,000
1987	16,000	2,400	38,400	0.075	2,900
1988	18,000	900	16,200	0.070	1,100
1989	15,000	800	12,000	0.080	1,000
1990	8,000	1,700	13,600	0.080	1,100
1991	2,100	2,230	4,800	0.080	390

TABLE 84: Historical Production and Value of Lentils

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1972	1 000	1 065	1 080	105.00	110
1973	800	897	760	154.00	120
1974	500	897	440	441.00	190
1975	200	560	110	364.00	40
1976	100	1 009	80	463.00	40
1977	700	1 121	770	772.00	600
1978	800	1 054	810	331.00	270
1979	6 900	616	4 270	485.00	2,070
1980	15 400	504	7 760	595.00	4,620
1981	14 200	1 054	14 920	506.00	7,550
1982	16 200	1 121	18 140	386.00	7,000
1983	10 100	1 121	11 340	309.00	3,500
1984	10 100	1 345	13 610	397.00	5,400
1985	10 100	1 480	14 970	474.00	7,100
1986[R]	17 800	1 174	20 900	397.00	8,320
1987[R]	24 300	1 531	37 200	331.00	12,310
1988[R]	12 100	603	7 300	315.00	2,300
1989[R]	12 100	1 240	15 000	397.00	5,950
1990[R]	22 300	1 709	38 100	419.00	15,960
1991	54 000	1 184	64 000	315.00	20,160

Year	Harvested Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1972	2,500	950	2,400	0.048	110
1973	2,100	800	1,700	0.070	120
1974	1,200	800	1,000	0.200	190
1975	500	500	300	0.165	40
1976	200	900	200	0.210	40
1977	1,700	1,000	1,700	0.350	600
1978	1,900	940	1,800	0.150	270
1979	17,100	550	9,400	0.220	2,070
1980	38,000	450	17,100	0.270	4,620
1981	35,000	940	32,900	0.230	7,550
1982	40,000	1,000	40,000	0.175	7,000
1983	25,000	1,000	25,000	0.140	3,500
1984	25,000	1,200	30,000	0.180	5,400
1985	25,000	1,320	33,000	0.215	7,100
1986[R]	44,000	1,045	46,000	0.180	8,320
1987[R]	60,000	1,367	82,000	0.150	12,310
1988[R]	30,000	533	16,000	0.143	2,300
1989[R]	30,000	1,100	33,000	0.180	5,950
1990[R]	55,000	1,527	84,000	0.190	15,960
1991	133,500	1,056	141,000	0.143	20,160

TABLE 85: Historical Production and Value of Mustard Seed

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1957	100	840	50	118.00	6
1958	100	1 000	130	114.00	15
1959	100	670	70	108.00	7
1960	200	710	140	105.00	15
1961	4 400	430	1 900	97.00	184
1962	6 900	710	4 900	98.00	482
1963	10 900	845	9 200	110.00	1,010
1964	4 900	795	3 900	112.00	435
1965	11 300	955	10 800	112.00	1,214
1966	12 700	615	7 800	113.00	882
1967	11 700	785	9 200	119.00	1,096
1968	26 300	945	24 900	110.00	2,750
1969	15 000	905	13 600	75.00	1,020
1970	10 100	940	9 500	81.00	760
1971	4 200	880	3 700	84.00	312
1972	6 100	935	5 700	99.00	562
1973	16 200	895	14 500	154.00	2,240
1974	16 200	840	13 600	408.00	5,550
1975	9 300	710	6 600	275.00	1,812
1976	7 300	890	6 500	248.00	1,613
1977	16 200	1 005	16 300	232.00	3,780
1978	25 100	1 155	29 000	243.00	7,040
1979	10 100	940	9 500	221.00	2,100
1980	17 800	915	16 300	331.00	5,400
1981	18 200	1 050	19 100	382.00	7,300
1982	10 100	1 060	10 700	240.00	2,570
1983	12 100	960	11 600	353.00	4,090
1984	16 200	840	13 600	353.00	4,800
1985	12 100	1 240	15 000	350.00	5,250
1986[R]	14 200	1 211	17 200	287.00	4,940
1987[R]	6 100	1 262	7 700	260.00	2,000
1988[R]	6 100	984	6 000	221.00	1,330
1989[R]	9 700	763	7 400	309.00	2,290
1990[R]	10 100	1 307	13 200	278.00	3,670
1991	6 600	1 348	8 900	220.00	1,960

TABLE 85: Mustard Seed Continued

Year	Harvested Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1957	150	750	112	.054	6
1958	325	900	292	.051	15
1959	240	600	144	.049	7
1960	450	700	315	.048	15
1961	10,800	383	4,100	.045	184
1962	17,000	629	10,700	.045	482
1963	27,000	748	20,200	.050	1,010
1964	12,000	725	8,700	.050	435
1965	28,000	850	23,800	.051	1,214
1966	31,500	549	17,300	.051	882
1967	29,000	700	20,300	.054	1,096
1968	65,000	846	55,000	.050	2,750
1969	37,000	810	30,000	.034	1,020
1970	25,000	840	21,000	.036	760
1971	10,300	796	8,200	.038	312
1972	15,000	833	12,500	.045	562
1973	40,000	800	32,000	.070	2,240
1974	40,000	750	30,000	.185	5,550
1975	23,000	630	14,500	.125	1,812
1976	18,000	800	14,400	.112	1,613
1977	40,000	900	36,000	.105	3,780
1978	62,000	1,032	64,000	.110	7,040
1979	25,000	840	21,000	.100	2,100
1980	44,000	818	36,000	.150	5,400
1981	45,000	930	42,000	.174	7,300
1982	25,000	940	23,500	.109	2,570
1983	30,000	850	25,500	.160	4,090
1984	40,000	750	30,000	.160	4,800
1985	30,000	1,100	33,000	.160	5,250
1986[R]	35,000	1,086	38,000	.130	4,940
1987[R]	15,000	1,133	17,000	.120	2,000
1988[R]	15,000	880	13,200	.101	1,330
1989[R]	24,000	679	16,300	.141	2,290
1990[R]	25,000	1,160	29,000	.126	3,670
1991	16,300	1,214	19,800	.100	1,960

TABLE 86: Historical Production and Value of Wild Rice (green basis)

	Production (kilograms)	Producer Value Price Per Kilogram $	Producer Value Total ($000)
1970	67 563	0.88	60
1971	226 720	1.10	250
1972	272 598	1.32	361
1973	284 489	1.54	439
1974	62 231	1.76	110
1975	64 622	1.98	128
1976	159 383	2.20	351
1977	523 614	2.87	1,512
1978	215 022	4.98	1,071
1979	271 058	4.70	1,273
1980	452 815	1.39	629
1981	205 396	3.44	706
1982	188 243	2.45	461
1983	152 255	3.26	497
1984	282 116	3.96	1,135
1985	293 098	2.31	677
1986	388 636	1.98	770
1987	748 440	1.14	940
1988	743 904	1.36	1,017
1989	544 320	1.65	900
1990	498 960	1.87	935
1991	603 300	1.76	1,064

	Production (pounds)	Producer Value Price Per Pound $	Producer Value Total ($000)
1970	148,950	0.40	60
1971	499,826	0.50	250
1972	600,969	0.60	361
1973	627,184	0.70	439
1974	137,194	0.80	110
1975	142,466	0.90	128
1976	351,353	1.00	351
1977	1,154,360	1.31	1,512
1978	474,037	2.26	1,071
1979	597,575	2.13	1,273
1980	998,277	0.63	629
1981	452,816	1.56	706
1982	415,000	1.11	461
1983	336,661	1.48	497
1984	630,655	1.80	1,135
1985	644,815	1.05	677
1986	855,000	0.90	770
1987	1,650,000	0.57	940
1988	1,640,000	0.62	1,017
1989	1,200,000	0.75	900
1990	1,100,000	0.85	935
1991	1,330,000	0.80	1,064

TABLE 87: Historical Production and Value of Fodder Corn

Year	Harvested Hectares	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	7 200	11.39	82	6.60	540
1958	9 600	10.42	100	8.30	825
1959	11 300	11.68	132	7.70	1,022
1960	10 900	11.93	130	7.70	1,001
1961	12 700	8.90	113	10.50	1,188
1962	15 600	15.13	236	7.70	1,820
1963	15 300	17.91	274	7.70	2,114
1964	19 800	11.21	222	6.60	1,470
1965	17 800	13.37	238	7.70	1,834
1966	15 000	13.80	207	7.70	1,596
1967	10 500	12.10	127	7.70	980
1968	11 900	12.77	152	7.70	1,176
1969	9 300	15.27	142	7.70	1,099
1970	8 100	13.46	109	7.70	840
1971	3 900	16.41	64	7.70	490
1972	8 900	16.29	145	11.00	1,600
1973	9 700	15.46	150	13.20	1,980
1974	11 300	16.90	191	15.40	2,940
1975	13 400	19.63	263	16.50	4,350
1976	13 400	18.96	254	16.50	4,200
1977	15 800	20.13	318	16.50	5,250
1978	17 000	21.35	363	18.70	6,800
1979	18 200	17.97	327	23.00	7,560
1980	30 400	12.53	381	32.00	12,180
1981	20 200	17.50	354	27.00	9,560
1982	31 200	15.40	481	25.00	12,020
1983	20 200	15.20	308	25.00	7,700
1984	18 200	13.50	245	28.00	6,860
1985	16 200	15.70	254	29.00	7,370
1986	12 900	21.10	272	28.00	7,620
1987	10 100	20.70	209	21.00	4,390
1988	10 100	14.40	145	31.00	4,500
1989[n]	10 100	18.00	181	25.00	4,530
1990[n]	8 100	22.40	181	21.00	3,800
1991	11 700	27.10	318	20.00	6,350

TABLE 87: Fodder Corn Continued

Year	Harvested Acres	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1957	17,900	5.00	90	6.00	540
1958	23,800	4.62	110	7.50	825
1959	28,000	5.21	146	7.00	1,022
1960	26,900	5.32	143	7.00	1,001
1961	31,300	4.00	125	9.50	1,188
1962	38,500	6.75	260	7.00	1,820
1963	37,800	7.99	302	7.00	2,114
1964	49,000	5.00	245	6.00	1,470
1965	44,000	5.95	262	7.00	1,834
1966	37,100	6.15	228	7.00	1,596
1967	26,000	5.38	140	7.00	980
1968	29,500	5.69	168	7.00	1,176
1969	23,000	6.84	157	7.00	1,099
1970	20,000	6.00	120	7.00	840
1971	9,700	7.22	70	7.00	490
1972	22,000	7.27	160	10.00	1,600
1973	24,000	6.88	165	12.00	1,980
1974	28,000	7.50	210	14.00	2,940
1975	33,000	8.79	290	15.00	4,350
1976	33,000	8.48	280	15.00	4,200
1977	39,000	8.97	350	15.00	5,250
1978	42,000	9.52	400	17.00	6,800
1979	45,000	8.00	360	21.00	7,560
1980	75,000	5.60	420	29.00	12,180
1981	50,000	7.80	390	24.00	9,560
1982	77,000	6.88	530	23.00	12,020
1983	50,000	6.80	340	23.00	7,700
1984	45,000	6.00	270	25.00	6,860
1985	45,000	7.00	280	26.00	7,370
1986	32,000	9.38	300	25.00	7,620
1987	25,000	9.20	230	19.00	4,390
1988	25,000	6.40	160	28.00	4,500
1989[R]	25,000	8.00	200	23.00	4,530
1990[R]	20,000	10.00	200	19.00	3,800
1991	28,900	12.10	350	18.00	6,350

TABLE 88: Historical Production and Value of Tame Hay

Year	Harvested Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	290	3.99	1 157	11.00	12,750
1958	320	2.89	924	15.20	14,011
1959	348	3.92	1 332	16.50	22,020
1960	380	3.83	1 457	14.20	20,717
1961	410	2.00	820	19.30	15,820
1962	420	4.51	1 896	15.40	29,260
1963	410	4.13	1 694	16.50	28,005
1964	400	3.32	1 329	17.60	23,440
1965	390	3.80	1 481	18.20	26,928
1966	430	4.43	1 903	18.20	34,617
1967	430	3.37	1 451	19.30	28,000
1968	380	3.82	1 451	20.40	29,600
1969	400	4.31	1 724	18.20	31,350
1970	470	4.30	2 023	16.50	33,450
1971	440	4.33	1 905	18.20	34,650
1972	490	3.70	1 814	22.10	40,000
1973	490	4.07	1 996	33.10	66,000
1974	510	4.27	2 177	38.60	84,000
1975	510	4.45	2 268	40.80	92,500
1976	570	4.14	2 359	41.50	97,968
1977	570	4.14	2 359	41.30	97,500
1978	570	4.62	2 631	40.70	107,010
1979	550	4.29	2 359	50.00	117,936
1980	530	2.57	1 361	70.00	95,250
1981	510	4.45	2 268	60.00	136,080
1982	510	4.45	2 268	55.00	124,740
1983	526	4.14	2 177	55.00	119,740
1984	526	3.97	2 087	62.00	129,400
1985	546	3.99	2 177	62.80	136,720
1986[a]	581	5.32	3 084	61.00	188,120
1987	627	4.63	2 903	48.00	139,340
1988	647	2.66	1 724	68.00	117,230
1989[a]	668	3.94	2 631	56.00	147,340
1990[a]	716	5.07	3 629	46.00	166,930
1991	698	5.07	3 538	45.20	159,800

TABLE 88: Tame Hay Continued

Year	Harvested Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1957	722	1.77	1,275	10.00	12,750
1958	790	1.29	1,019	13.75	14,011
1959	834	1.76	1,468	15.00	22,020
1960	934	1.72	1,606	12.90	20,717
1961	1,004	0.90	904	17.50	15,820
1962	1,045	2.00	2,090	14.00	29,260
1963	1,020	1.83	1,867	15.00	28,005
1964	990	1.48	1,465	16.00	23,440
1965	960	1.70	1,632	16.50	26,928
1966	1,065	1.97	2,098	16.50	34,617
1967	1,052	1.52	1,600	17.50	28,000
1968	940	1.70	1,600	18.50	29,600
1969	1,000	1.90	1,900	16.50	31,350
1970	1,160	1.92	2,230	15.00	33,450
1971	1,084	1.94	2,100	16.50	34,650
1972	1,200	1.67	2,000	20.00	40,000
1973	1,200	1.83	2,200	30.00	66,000
1974	1,250	1.92	2,400	35.00	84,000
1975	1,250	2.00	2,500	37.00	92,500
1976	1,400	1.86	2,600	37.68	97,968
1977	1,400	1.86	2,600	37.50	97,500
1978	1,400	2.07	2,900	36.90	107,010
1979	1,350	1.93	2,600	45.36	117,936
1980	1,300	1.15	1,500	63.50	95,250
1981	1,250	2.00	2,500	54.43	136,080
1982	1,250	2.00	2,500	49.90	124,740
1983	1,300	1.85	2,400	49.89	119,740
1984	1,300	1.77	2,300	56.26	129,400
1985	1,350	1.78	2,400	57.00	136,720
1986[a]	1,435	2.37	3,400	55.33	188,120
1987	1,550	2.06	3,200	40.00	139,340
1988	1,600	1.19	1,900	62.00	117,230
1989[a]	1,650	1.76	2,900	51.00	147,340
1990[a]	1,770	2.26	4,000	42.00	166,930
1991	1,725	2.26	3,900	41.00	159,800

TABLE 89: Historical Production and Value of Sugar Beets

Year	Harvested Hectares	Yield Per Hectare (tonnes)	Production (tonnes)	Farm Value* Price Per Tonne $	Farm Value* Total ($000)
1957	8 669	22.91	198 575	13.81	2,742
1958	8 885	20.02	177 909	18.17	3,233
1959	7 092	24.54	174 065	13.15	2,289
1960	10 145	23.11	234 464	15.13	3,547
1961	8 556	19.94	170 640	14.24	2,430
1962	8 727	20.45	178 473	22.28	3,976
1963	11 381	27.71	315 419	18.36	5,791
1964	12 068	21.40	258 285	15.62	4,034
1965	10 488	22.69	237 930	18.92	4,502
1966	9 326	23.79	221 840	18.51	4,106
1967	10 886	18.90	205 691	19.62	4,036
1968	11 768	23.01	270 725	17.61	4,767
1969	12 789	24.34	311 322	19.07	5,937
1970	9 317	21.05	196 084	18.87	3,700
1971	12 495	26.36	329 326	21.03	6,926
1972	11 371	26.39	300 115	24.33	7,301
1973	9 984	27.95	279 039	35.13	9,803
1974	10 899	18.44	200 938	56.14	11,281
1975	12 914	27.83	359 449	39.99	14,374
1976	12 541	27.90	349 919	34.06	11,918
1977	10 235	39.09	400 102	31.30	12,523
1978	9 575	38.93	372 800	38.17	14,230
1979	8 945	27.97	250 187	77.80	19,465
1980	9 844	23.85	234 787	55.61	13,057
1981	11 229	36.20	406 442	41.24	16,762
1982	11 234	33.14	372 271	52.43	19,518
1983	11 122	30.02	333 900	39.62	13,229
1984	10 768	30.84	332 086	33.99	11,288
1985	9 602	30.25	290 474	44.64	12,967
1986	11 016	31.74	349 693	43.32	15,149
1987	10 524	40.29	424 048	41.94	17,785
1988	9 135	24.89	227 326	44.23	10,055
1989	10 493	31.35	328 954	45.11	14,839
1990**	10 926	32.17	351 506	36.30	12,760
1991**	10 707	42.35	453 600	29.00	13,154

* Includes deficiency payments starting in 1958.
** Values do not include stabilization payments, if any.

TABLE 89: Sugar Beets Continued

Year	Harvested Acres	Yield Per Acre (tons)	Production (tons)	Farm Value* Price Per Ton $	Farm Value* Total ($000)
1957	21,420	10.22	218,889	12.53	2,742
1958	21,955	8.93	196,109	16.48	3,233
1959	17,525	10.95	191,872	11.93	2,289
1960	25,068	10.31	258,450	13.73	3,547
1961	21,141	8.90	188,096	12.92	2,430
1962	21,565	9.12	196,731	20.21	3,976
1963	28,123	12.36	347,686	16.66	5,791
1964	29,819	9.55	284,708	14.17	4,034
1965	25,917	10.12	262,270	17.16	4,502
1966	23,045	10.61	244,534	16.79	4,106
1967	26,899	8.43	226,733	17.80	4,036
1968	29,079	10.26	298,420	15.98	4,767
1969	31,602	10.86	343,170	17.30	5,937
1970	23,022	9.39	216,143	17.12	3,700
1971	30,876	11.76	363,016	19.08	6,926
1972	28,098	11.77	330,817	22.07	7,301
1973	24,670	12.47	307,585	31.87	9,803
1974	26,931	8.22	221,494	50.93	11,281
1975	31,912	12.41	396,221	36.28	14,374
1976	30,990	12.44	385,716	30.90	11,918
1977	25,292	17.44	441,032	28.40	12,523
1978	23,659	17.37	410,937	34.63	14,230
1979	22,103	12.48	275,781	70.58	19,465
1980	24,326	10.64	258,806	50.45	13,057
1981	27,747	16.15	448,021	37.41	16,762
1982	27,759	14.78	410,354	47.56	19,518
1983	27,484	13.39	368,058	35.94	13,229
1984	26,607	13.76	366,058	30.84	11,288
1985	23,727	13.49	320,189	40.50	12,967
1986	27,222	14.16	385,467	39.30	15,149
1987	26,006	17.98	467,428	38.05	17,785
1988	22,574	11.10	250,581	40.13	10,055
1989	25,929	13.99	362,606	40.92	14,839
1990**	26,998	14.35	387,465	32.93	12,760
1991**	26,456	18.89	500,000	26.31	13,154

* Includes deficiency payments starting in 1958.
** Values do not include stabilization payments, if any.

TABLE 90: Historical Production Value Summary of Horticultural Crops and Forage Seeds

Year	Potatoes	Vegetables, Fruits, Ornamentals	Total Horticulture	Forage Seeds
		- thousand dollars -		
1957	2,986	8,150	11,136	825
1958	2,220	9,000	11,220	682
1959	2,432	9,000	11,432	1,248
1960	2,448	9,200	11,648	1,086
1961	1,802	9,090	10,892	1,254
1962	2,989	9,330	12,319	2,105
1963	2,765	10,125	12,890	1,503
1964	7,488	9,144	16,632	1,259
1965	7,077	8,861	15,938	2,162
1966	4,899	9,078	13,977	1,762
1967	5,626	10,055	15,681	1,238
1968	5,580	9,310	14,890	571
1969	7,296	9,669	16,965	1,524
1970	6,660	9,713	16,373	1,701
1971	7,257	10,632	17,889	1,684
1972	7,500	11,280	18,780	1,542
1973	9,240	11,375	20,615	5,199
1974	12,887	16,614	29,501	2,625
1975	17,460	17,468	34,928	2,031
1976	13,146	19,153	32,299	3,050
1977	20,185	18,252	38,437	3,828
1978	24,548	20,285	44,833	7,488
1979	22,440	21,786	44,226	8,312
1980	33,539	25,077	58,616	4,902
1981	36,140	26,561	62,701	6,681
1982	33,955	29,155	63,110	5,025
1983	35,863	27,187	63,050	7,371
1984	38,731	37,165	75,896	5,563
1985	46,217	35,796	82,013	6,162
1986	32,442	41,460	73,902	8,184
1987	49,925	40,903	90,828	14,093
1988	27,988	38,006	65,994	13,795
1989	40,666	38,936	79,602	11,255
1990	48,024	36,287	84,311	8,210
1991	50,720	38,657	89,377	4,800

TABLE 91: Historical Production and Value of Potatoes

Year	Harvested Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1957	6 192	7 730	47 855	62.39	2,986
1958	6 313	8 620	54 432	40.78	2,220
1959	6 273	7 678	48 172	50.49	2,432
1960	6 880	10 087	69 401	35.27	2,448
1961	8 215	4 236	34 791	51.81	1,802
1962	9 308	12 778	118 934	25.13	2,989
1963	8 013	11 769	94 303	29.32	2,765
1964	8 417	13 451	113 219	66.14	7,488
1965	9 065	13 115	118 889	59.52	7,077
1966	9 915	14 009	138 892	35.27	4,899
1967	10 724	12 264	131 544	42.77	5,626
1968	10 724	12 689	136 080	41.01	5,580
1969	11 736	14 684	172 368	42.33	7,296
1970	13 354	12 567	167 832	39.68	6,660
1971	13 233	14 054	185 976	39.02	7,257
1972	8 903	12 735	113 400	66.14	7,500
1973	12 140	16 440	199 584	46.30	9,240
1974	14 164	15 692	222 264	57.98	12,887
1975	12 950	15 762	204 120	85.54	17,460
1976	13 962	13 645	190 512	69.00	13,146
1977	14 974	16 661	249 480	80.90	20,185
1978	14 974	20 599	308 448	79.59	24,548
1979	14 974	18 830	281 958	79.59	22,440
1980	15 985	17 880	285 813	117.34	33,539
1981	16 552	18 830	311 669	115.96	36,140
1982	16 228	16 478	267 397	126.98	33,955
1983	16 592	16 175	268 440	133.60	35,863
1984	17 604	16 254	286 131	135.36	38,731
1985	19 263	19 060	367 144	125.88	46,217
1986	18 784	18 609	349 544	92.81	32,442
1987	18 616	22 909	426 475	117.06	49,925
1988	17 000	11 473	195 048	143.50	27,988
1989	18 413	13 389	246 532	164.95	40,666
1990	19 020	16 722	318 064	151.00	48,024
1991	18 200	17 870	325 230	156.00	50,720

TABLE 91: Potatoes Continued

Year	Harvested Acres	Yield Per Acre (cwt)	Production (000 cwt)	Farm Value Price Per cwt $	Farm Value Total ($000)
1957	15,300	69.0	1,055	2.83	2,986
1958	15,600	76.9	1,200	1.85	2,220
1959	15,500	68.5	1,062	2.29	2,432
1960	17,000	90.0	1,530	1.60	2,448
1961	20,300	37.8	767	2.35	1,802
1962	23,000	114.0	2,622	1.14	2,989
1963	19,800	105.0	2,079	1.33	2,765
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	2.70	7,077
1966	24,500	125.0	3,062	1.60	4,899
1967	26,500	109.4	2,900	1.94	5,626
1968	26,500	113.2	3,000	1.86	5,580
1969	29,000	131.0	3,800	1.92	7,296
1970	33,000	112.1	3,700	1.80	6,660
1971	32,700	125.4	4,100	1.77	7,257
1972	22,000	113.6	2,500	3.00	7,500
1973	30,000	146.7	4,400	2.10	9,240
1974	35,000	140.0	4,900	2.63	12,887
1975	32,000	140.6	4,500	3.88	17,460
1976	34,500	121.7	4,200	3.13	13,146
1977	37,000	148.6	5,500	3.67	20,185
1978	37,000	183.8	6,800	3.61	24,548
1979	37,000	168.0	6,216	3.61	22,440
1980	39,500	159.5	6,301	5.32	33,539
1981	40,900	168.0	6,871	5.26	36,140
1982	40,100	147.0	5,895	5.76	33,955
1983	41,000	144.3	5,918	6.06	35,863
1984	43,500	145.0	6,308	6.14	38,731
1985	47,600	170.0	8,094	5.71	46,217
1986	46,417	166.0	7,706	4.21	32,442
1987	46,000	204.4	9,402	5.31	49,925
1988	42,000	102.4	4,300	6.51	27,988
1989	45,500	119.5	5,435	7.48	40,666
1990	47,000	149.2	7,012	6.85	48,024
1991	45,000	159.3	7,170	7.07	50,720

TABLE 92: Historical Marketings of Major Crops

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand tonnes -					
1956-57	7.2	1 072.4	335.5	527.6	1 935.6	15.8	172.9	2.6	2,126.9
1957-58	19.9	1 133.3	298.6	427.0	1 858.9	25.2	73.6	4.1	1,961.9
1958-59	38.5	1 282.9	220.8	520.0	2 023.6	25.4	91.6	4.6	2,145.2
1959-60	25.1	1 317.8	112.4	388.8	1 818.9	27.4	84.9	5.0	1,936.2
1960-61	18.6	1 289.8	166.1	332.3	1 788.2	33.8	130.7	9.6	1,962.3
1961-62	12.7	887.9	81.8	178.7	1 148.4	17.7	83.4	7.8	1,257.3
1962-63	63.5	1 693.7	494.6	273.8	2 462.1	67.4	168.0	11.6	2,709.1
1963-64	50.8	1 379.0	222.1	186.3	1 787.4	36.2	202.4	14.7	2,040.6
1964-65	41.4	1 859.4	265.1	190.1	2 314.6	49.7	230.1	26.9	2,621.4
1965-66	20.5	1 876.7	338.6	285.2	2 500.4	65.0	355.4	45.5	2,966.3
1966-67	13.5	780.5	212.6	312.9	2 305.9	51.3	232.2	39.0	2,628.4
1967-68	29.5	1 762.3	238.4	296.5	2 297.2	47.7	120.4	41.3	2,506.5
1968-69	43.1	1 626.0	316.2	241.9	2 184.1	25.1	214.2	38.1	2,461.5
1969-70	58.6	1 419.7	150.3	588.0	2 158.1	48.8	210.7	63.8	2,481.4
1970-71	55.7	1 017.7	208.8	633.2	1 859.8	57.1	236.9	137.8	2,291.7
1971-72	86.1	1 556.8	199.1	1 192.8	2 948.7	81.3	116.7	194.7	3,341.4
1972-73	91.8	1 768.8	218.2	1 116.8	3 103.8	34.5	122.5	191.1	3,451.9
1973-74	47.7	1 669.6	216.8	1 002.9	2 889.3	35.3	156.4	145.2	3,226.2
1974-75	46.8	1 352.4	193.3	704.7	2 250.4	48.6	127.8	142.9	2,569.7
1975-76	98.2	1 744.3	256.0	631.5	2 631.8	75.0	193.3	208.8	3,108.9
1976-77[a]	88.8	1 918.5	259.8	974.1	3 152.4	65.8	122.3	128.1	3,468.6
1977-78	53.7	2 517.5	283.4	1 164.7	3 965.6	62.9	262.8	257.0	4,548.3
1978-79	77.2	1 913.8	115.8	1 039.2	3 068.8	42.2	234.0	472.5	3,817.5
1979-80	108.6	2 448.0	38.6	920.5	3 407.1	94.2	367.9	471.8	4,341.0
1980-81	110.5	1 902.7	42.6	994.1	2 939.4	72.9	213.1	274.0	3,499.4
1981-82	168.8	2 811.3	84.7	1 354.2	4 250.2	133.5	201.9	312.8	4,898.4
1982-83[a]	159.9	3 479.8	84.7	1 389.7	4 954.2	183.3	352.9	344.8	5,835.2
1983-84[a]	122.6	3 029.4	78.8	1 232.2	4 340.4	157.1	284.8	304.4	5,086.7
1984-85	145.4	3 265.7	79.5	1 327.0	4 672.2	136.5	364.5	474.2	5,647.4
1985-86	277.0	4 836.2	100.5	1 581.9	6 518.6	86.2	452.8	536.5	7,594.0
1986-87	284.6	3 455.3	84.6	1 009.5	4 549.4	38.8	447.1	525.8	5,561.1
1987-88	176.8	3 465.9	107.6	893.9	4 467.4	50.0	334.1	493.6	5,345.1
1988-89	111.2	2 288.6	94.3	646.5	3 029.4	50.3	186.5	544.7	3,810.9
1989-90	211.8	3 760.4	106.7	787.0	4 654.0	123.3	186.1	366.7	5,330.2
1990-91	277.9	5 034.6	85.1	1 073.2	6 192.9	86.5	256.0	410.8	6,946.2

TABLE 92: Crop Marketings Continued

Crop Year	Durum Wheat	All Wheat	Oats	Barley	SUB TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand bushels -					
1956-57	260	39,410	21,750	24,230	85,390	620	6,810	120	92,940
1957-58	730	41,640	19,360	19,610	80,620	990	2,900	180	84,690
1958-59	1,420	47,140	14,320	23,880	85,340	1,000	3,600	200	90,140
1959-60	920	48,420	7,290	17,860	73,560	1,080	3,340	220	78,200
1960-61	680	47,390	10,770	15,260	73,420	1,330	5,140	430	80,320
1961-62	470	32,630	5,300	8,210	46,140	700	3,280	340	50,460
1962-63	2,330	62,230	32,070	12,580	106,880	2,650	6,610	510	116,660
1963-64	1,870	50,670	14,400	8,560	73,630	1,420	7,970	650	83,670
1964-65	1,520	68,320	17,190	8,730	94,240	1,960	9,060	1,190	106,450
1965-66	750	68,960	21,950	13,100	104,010	2,560	13,990	2,010	122,560
1966-67	500	65,420	13,790	14,370	93,580	2,020	9,140	1,720	106,460
1967-68	1,080	64,760	15,460	13,620	93,830	1,880	4,740	1,820	102,270
1968-69	1,580	59,740	20,510	11,110	91,360	990	8,430	1,680	102,460
1969-70	2,150	52,170	9,740	27,010	88,920	1,920	8,300	2,820	101,950
1970-71	2,050	37,400	13,540	29,080	80,020	2,250	9,330	6,080	97,670
1971-72[R]	3,160	57,200	12,910	54,780	124,890	3,200	4,590	8,590	141,270
1972-73[R]	3,370	64,990	14,150	51,300	130,440	1,360	4,820	8,430	145,050
1973-74	1,750	61,350	14,060	46,070	121,480	1,390	6,160	6,400	135,430
1974-75[R]	1,720	49,690	12,540	32,370	94,600	1,910	5,030	6,300	107,840
1975-76[R]	3,610	64,090	16,600	29,010	109,700	2,950	7,610	9,210	129,470
1976-77[R]	3,260	70,490	16,850	44,740	132,080	2,590	4,810	5,650	145,130
1977-78	1,970	92,500	18,380	53,490	164,370	2,480	10,350	11,330	188,530
1978-79[R]	2,840	70,320	7,510	47,730	125,560	1,660	9,210	20,830	157,260
1979-80	3,990	89,950	2,500	42,280	134,730	3,710	14,480	20,800	173,720
1980-81	4,060	69,910	2,760	45,660	118,330	2,870	8,390	12,080	141,670
1981-82[R]	6,200	103,300	5,490	62,200	170,990	5,260	7,950	13,790	197,990
1982-83[R]	5,880	127,860	5,490	63,830	197,180	7,220	13,890	15,200	233,490
1983-84[R]	4,500	111,310	5,110	56,590	173,010	6,180	11,210	13,420	203,820
1984-85[R]	5,340	119,990	5,150	60,950	186,090	5,370	14,350	20,910	226,720
1985-86[R]	10,180	177,700	6,520	72,660	256,880	3,390	17,820	23,650	301,740
1986-87[R]	10,460	126,960	5,490	46,370	178,820	1,530	17,600	23,180	221,130
1987-88[R]	6,490	127,350	6,980	41,060	175,390	1,970	13,150	21,760	212,270
1988-89[R]	4,090	84,090	6,110	29,690	119,890	1,980	7,340	24,020	153,240
1989-90[R]	7,780	138,170	6,920	36,140	181,230	4,850	7,330	16,170	209,580
1990-91	10,210	184,990	5,520	49,290	239,800	3,410	10,080	18,110	271,400

TABLE 93: Historical Quantities of Major Grain Stocks on Farms at July 31

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
			- thousand tonnes -				
1957	326.6	539.8	196.0	17.8	3.8		1 083.9
1958	244.9	385.6	130.6	12.7	2.5		776.4
1959	217.7	262.2	239.5	7.6	5.1		732.1
1960	244.9	277.6	304.8	15.2	2.5		845.1
1961	353.8	323.9	239.5	7.6	5.1		929.9
1962	54.4	77.1	43.5	1.3	5.1		181.4
1963	163.3	200.5	65.3	0.8	2.5		432.4
1964	81.6	154.2	65.3	2.5	3.8		307.5
1965	190.5	246.8	43.5	10.2	2.5		493.5
1966	136.1	185.1	43.5	10.2	7.6		382.5
1967	190.5	123.4	65.3	7.6	2.5		389.4
1968	571.5	138.8	196.0	5.1	1.5		912.9
1969	1 088.6	385.6	435.5	25.4	5.1	2.3	1 942.4
1970	1 088.6	462.7	196.0	17.8	5.1	0.6	1 770.7
1971	517.1	138.8	108.9	15.2	21.6	0.0	801.6
1972	544.3	215.9	217.7	5.1	25.4	52.2	1 060.6
1973	136.1	123.4	174.2	2.5	2.5	1.1	439.8
1974	136.1	108.0	174.2	10.2	7.6	4.5	440.6
1975	54.4	61.7	65.3	15.2	15.2	6.8	218.6
1976	81.6	92.5	108.9	7.6	10.2	49.9	350.7
1977	571.5	154.2	87.1	2.5	12.7	4.5	832.5
1978	489.9	185.1	435.4	12.7	38.1	6.8	1 168.0
1979	1 115.8	123.4	544.3	50.8	66.0	65.8	1 966.1
1980	326.6	46.3	130.6	20.3	76.2	90.7	690.7
1981	55.0	30.0	65.0	8.0	13.0	46.0	217.0
1982	270.0	60.0	200.0	15.0	10.0	14.0	569.0
1983	110.0	110.0	375.0	25.0	45.0	10.0	675.0
1984	70.0	60.0	70.0	5.0	5.0	2.0	212.0
1985	40.0	50.0	70.0	10.0	3.0	5.0	178.0
1986	40.0	100.0	130.0	25.0	20.0	20.0	335.0
1987[R]	540.0	80.0	160.0	25.0	50.0	10.0	865.0
1988[R]	450.0	80.0	400.0	5.0	60.0	20.0	1 015.0
1989[R]	75.0	25.0	85.0	0.0	10.0	45.0	240.0
1990[R]	45.0	50.0	120.0	15.0	5.0	15.0	250.0
1991	480.0	90.0	170.0	35.0	75.0	10.0	860.0

TABLE 93: Stocks Continued

Year	Wheat	Oats	Barley	Rye	Flax	Canola	TOTAL
			- million bushels -				
1957	12.00	5.00	9.00	0.70	0.15		56.85
1958	9.00	25.00	6.00	0.50	0.10		40.60
1959	8.00	17.00	11.00	0.30	0.20		36.50
1960	9.00	18.00	14.00	0.60	0.10		41.70
1961	13.00	21.00	11.00	0.30	0.20		45.50
1962	2.00	5.00	2.00	0.05	0.20		9.25
1963	6.00	13.00	3.00	0.03	0.10		22.13
1964	3.00	10.00	3.00	0.10	0.15		16.25
1965	7.00	16.00	2.00	0.40	0.10		25.50
1966	5.00	12.00	2.00	0.40	0.30		19.70
1967	7.00	8.00	3.00	0.30	0.10		18.40
1968	21.00	9.00	9.00	0.20	0.06		39.26
1969	40.00	25.00	20.00	1.00	0.20	0.10	86.30
1970	40.00	30.00	9.00	0.70	0.20	0.03	79.93
1971	19.00	9.00	5.00	0.60	0.85	0.00	34.45
1972	20.00	14.00	10.00	0.20	1.00	2.30	47.50
1973	5.00	8.00	8.00	0.10	0.10	0.05	21.25
1974	5.00	7.00	8.00	0.40	0.30	0.20	20.90
1975	2.00	4.00	3.00	0.60	0.60	0.30	10.50
1976	3.00	6.00	5.00	0.30	0.40	2.20	16.90
1977	21.00	10.00	4.00	0.10	0.50	0.20	35.80
1978	18.00	12.00	20.00	0.50	1.50	0.30	52.30
1979	41.00	8.00	25.00	2.00	2.60	2.90	81.50
1980	12.00	3.00	6.00	0.80	3.00	4.00	28.80
1981	2.02	1.95	2.99	0.31	0.51	2.03	9.81
1982	9.92	3.89	9.19	0.59	0.39	0.62	24.60
1983	4.04	7.13	17.22	0.98	1.77	0.44	31.59
1984	2.57	3.89	3.22	0.20	0.20	0.09	10.16
1985	1.47	3.24	3.22	0.39	0.12	0.22	8.66
1986	1.47	6.48	5.97	0.98	0.79	0.88	16.58
1987[R]	19.84	5.19	7.35	0.98	1.97	0.44	35.77
1988[R]	16.53	5.19	18.37	0.20	2.36	0.88	43.53
1989[R]	2.76	1.62	3.90	0.00	0.39	1.98	10.66
1990[R]	1.65	3.24	5.51	0.59	0.20	0.66	11.86
1991	17.64	5.84	7.81	1.38	2.95	0.44	36.05

TABLE 94: Historical Quantities of Grain Used On-Farm for Feed (includes waste and dockage, excludes seed)

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand tonnes -				
1956-57[R]	125.0	546.0	226.0	897.0				–
1957-58[R]	113.0	549.0	295.0	957.0				–
1958-59[R]	214.0	626.0	284.0	1 124.0				–
1959-60[R]	225.0	588.0	232.0	1 045.0				–
1960-61[R]	274.0	605.0	235.0	1 114.0				–
1961-62[R]	209.0	469.0	192.0	870.0				–
1962-63[R]	240.0	1 142.0	142.0	1 524.0				–
1963-64[R]	222.0	720.0	145.0	1 087.0				–
1964-65[R]	209.0	712.0	161.0	1 082.0				–
1965-66[R]	192.0	809.0	167.0	1 168.0				–
1966-67[R]	167.0	777.0	244.0	1 188.0				–
1967-68[R]	164.0	705.0	253.0	1 122.0				–
1968-69[R]	229.0	630.0	415.0	1 274.0				–
1969-70[R]	262.0	791.0	472.0	1 525.0				–
1970-71[R]	278.0	880.0	539.0	1 697.0				–
1971-72	330.9	853.2	672.2	1 856.3	10.1	20.5	23.6	1 910.5
1972-73	403.0	672.6	704.5	1 780.1	12.4	39.6	51.5	1 883.6
1973-74	319.3	726.5	742.0	1 787.8	8.0	20.8	24.2	1 840.8
1974-75	208.4	473.4	502.5	1 184.3	5.8	18.9	45.2	1 254.2
1975-76	206.5	440.1	381.0	1 027.6	5.8	17.1	30.8	1 081.3
1976-77	264.2	580.5	438.8	1 283.5	4.2	21.9	17.6	1 327.2
1977-78	174.0	551.3	473.0	1 198.3	7.4	28.7	27.7	1 262.1
1978-79	176.4	560.2	652.4	1 389.0	14.9	33.4	42.5	1 479.8
1979-80	256.7	325.5	682.6	1 264.8	11.0	52.4	67.5	1 395.7
1980-81	125.4	226.6	558.0	910.0	8.1	48.3	63.9	1 030.3
1981-82	147.3	325.2	769.4	1 241.9	27.4	46.7	22.7	1 338.7
1982-83	205.9	368.0	745.6	1 319.5	13.1	35.7	55.4	1 423.7
1983-84	251.1	349.1	597.4	1 197.6	12.8	33.5	96.8	1 340.7
1984-85	321.8	342.8	544.8	1 209.4	47.2	57.8	63.6	1 378.0
1985-86[R]	182.1	326.2	824.7	1 333.0	63.6	69.9	80.5	1 547.1
1986-87[R]	299.0	371.5	745.8	1 416.3	16.4	54.0	48.3	1 535.0
1987-88[R]	369.2	302.8	745.9	1 417.9	12.2	42.7	58.6	1 531.4
1988-89[R]	245.3	170.6	716.2	1 132.1	1.7	30.8	62.0	1 226.6
1989-90[R]	212.7	181.9	665.2	1 059.9	54.0	23.7	46.3	1 183.8
1990-91	189.3	200.4	786.1	1 175.8	47.6	43.4	50.8	1 317.6

TABLE 94: Feed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand bushels -				
1956-57[R]	4,590	35,430	10,390	50,410				–
1957-58[R]	4,160	35,590	13,570	53,320				–
1958-59[R]	7,860	40,620	13,050	61,530				–
1959-60[R]	8,260	38,130	10,670	57,060				–
1960-61[R]	10,090	39,200	10,800	60,080				–
1961-62[R]	7,690	30,430	8,840	46,950				–
1962-63[R]	8,820	74,040	6,500	89,360				–
1963-64[R]	8,160	46,710	6,640	61,500				–
1964-65[R]	7,680	46,170	7,380	61,230				–
1965-66[R]	7,060	52,460	7,660	67,170				–
1966-67[R]	6,150	50,390	11,210	67,750				–
1967-68[R]	6,030	45,740	11,610	63,380				–
1968-69[R]	8,430	40,860	19,060	68,340				–
1969-70[R]	9,630	51,300	21,700	82,630				–
1970-71[R]	10,200	57,080	24,750	92,030				–
1971-72	12,160	55,320	30,870	98,360	400	810	1,040	100,600
1972-73	14,810	43,610	32,360	90,780	490	1,560	2,270	95,100
1973-74	11,730	47,110	34,080	92,920	310	820	1,070	95,120
1974-75	7,660	30,700	23,080	61,430	230	740	1,990	64,400
1975-76	7,590	28,540	17,500	53,620	230	670	1,360	55,880
1976-77	9,710	37,640	20,150	67,500	170	860	780	69,310
1977-78	6,390	35,750	21,720	63,870	290	1,130	1,220	66,510
1978-79	6,480	36,320	29,960	72,770	590	1,310	1,870	76,550
1979-80	9,430	21,110	31,350	61,890	430	2,060	2,980	67,360
1980-81	4,610	14,690	25,630	44,930	320	1,900	2,820	49,970
1981-82	5,410	21,090	35,340	61,840	1,080	1,840	1,000	65,750
1982-83	7,570	23,860	34,240	65,670	520	1,410	2,440	70,040
1983-84	9,230	22,640	27,440	59,300	500	1,320	4,270	65,390
1984-85	11,820	22,230	25,020	59,070	1,860	2,280	2,800	66,010
1985-86[R]	6,690	21,150	37,880	65,720	2,500	2,750	3,550	74,530
1986-87[R]	10,990	24,090	34,250	69,330	650	2,120	2,130	74,230
1987-88[R]	13,570	19,630	34,260	67,460	480	1,680	2,580	72,200
1988-89[R]	9,010	11,060	32,890	52,960	70	1,210	2,730	56,980
1989-90[R]	7,820	11,800	30,550	50,170	2,130	930	2,040	55,260
1990-91	6,960	12,990	36,100	56,050	1,870	1,710	2,240	61,880

TABLE 95: Historical Quantities of Grain Used On-Farm for Seed

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand tonnes -				
1956-57[R]	93.0	55.0	57.0	205.0	2.0	15.0	0.1	222.1
1957-58[R]	105.0	53.0	53.0	211.0	2.0	9.0	0.1	222.1
1958-59[R]	113.0	52.0	42.0	207.0	2.0	10.0	0.0	219.0
1959-60[R]	118.0	55.0	31.0	204.0	2.0	12.0	0.1	218.1
1960-61[R]	123.0	48.0	22.0	193.0	2.0	13.0	0.1	208.1
1961-62[R]	128.0	66.0	21.0	215.0	4.0	11.0	0.1	230.1
1962-63[R]	133.0	60.0	20.0	213.0	3.0	14.0	0.1	230.1
1963-64[R]	143.0	60.0	17.0	220.0	4.0	17.0	0.3	241.3
1964-65[R]	137.0	56.0	20.0	213.0	4.0	23.0	0.5	240.5
1965-66[R]	137.0	56.0	29.0	222.0	3.0	19.0	0.5	244.5
1966-67[R]	148.0	59.0	32.0	239.0	4.0	11.0	0.5	254.5
1967-68[R]	143.0	58.0	39.0	240.0	4.0	14.0	0.3	258.3
1968-69[R]	105.0	56.0	40.0	201.0	5.0	19.0	0.6	225.6
1969-70[R]	59.0	46.0	50.0	155.0	4.0	19.0	1.3	179.3
1970-71[R]	106.0	51.0	69.0	226.0	4.0	10.0	1.9	241.9
1971-72[R]	99.1	42.6	73.2	214.9	2.5	8.9	1.7	228.0
1972-73[R]	114.3	49.7	73.2	237.2	2.5	10.7	1.3	251.7
1973-74[R]	106.7	44.1	62.1	212.9	3.1	10.7	1.8	228.5
1974-75[R]	126.6	42.6	55.7	224.9	3.6	13.3	2.4	244.2
1975-76[R]	144.8	44.1	53.9	242.8	2.8	8.0	0.8	254.4
1976-77[R]	130.6	39.0	67.9	237.5	3.4	24.3	1.8	267.0
1977-78[R]	138.8	28.4	61.0	228.2	3.8	13.3	3.3	248.6
1978-79[R]	114.3	17.7	50.5	182.5	4.2	13.3	4.3	204.3
1979-80[R]	125.7	21.3	73.2	220.2	5.2	22.2	2.5	250.1
1980-81[R]	148.6	24.8	81.9	255.3	6.0	14.2	1.9	277.4
1981-82[R]	152.4	23.1	71.4	246.9	7.2	12.4	2.7	269.2
1982-83[R]	175.3	21.3	62.7	259.3	6.7	16.0	3.0	285.0
1983-84[R]	169.6	23.1	64.4	257.1	7.0	13.3	3.8	281.2
1984-85[R]	184.8	19.5	66.2	270.5	7.1	18.7	3.2	299.5
1985-86[R]	207.7	17.3	59.4	284.4	2.5	19.3	3.0	309.2
1986-87[R]	204.0	18.9	65.4	288.3	2.2	15.0	2.9	308.4
1987-88[R]	200.9	21.4	57.9	280.2	3.5	12.0	4.8	300.5
1988-89[R]	222.6	21.4	62.7	306.7	8.9	13.0	3.3	331.9
1989-90[R]	229.1	16.4	58.6	304.1	5.8	13.7	2.6	326.2
1990-91	225.5	13.8	50.2	289.5	3.4	11.6	3.8	308.3

TABLE 95: Seed Continued

Crop Year	All Wheat	Oats	Barley	SUB-TOTAL	Rye	Flaxseed	Canola	TOTAL
				- thousand bushels -				
1956-57[R]	3,410	3,570	2,610	9,590	80	580	4	10,254
1957-58[R]	3,840	3,410	2,430	9,680	80	370	3	10,133
1958-59[R]	4,140	3,380	1,950	9,470	100	380	2	9,952
1959-60[R]	4,340	3,570	1,430	9,340	100	470	5	9,915
1960-61[R]	4,510	3,100	1,000	8,610	90	500	4	9,204
1961-62[R]	4,710	4,270	960	9,940	140	440	5	10,525
1962-63[R]	4,880	3,860	900	9,640	110	550	10	10,310
1963-64[R]	5,240	3,890	760	9,890	150	680	10	10,730
1964-65[R]	5,020	3,630	920	9,570	150	900	20	10,640
1965-66[R]	5,040	3,640	1,340	10,020	120	740	20	10,900
1966-67[R]	5,450	3,810	1,490	10,750	160	440	20	11,370
1967-68[R]	5,270	3,760	1,790	10,820	140	550	10	11,520
1968-69[R]	3,870	3,640	1,840	9,350	190	730	30	10,300
1969-70[R]	2,170	3,000	2,300	7,470	150	730	60	8,410
1970-71[R]	3,900	3,320	3,150	10,370	150	380	80	10,980
1971-72[R]	3,640	2,760	3,360	9,770	100	350	70	10,280
1972-73[R]	4,200	3,220	3,360	10,780	100	420	60	11,360
1973-74[R]	3,920	2,860	2,850	9,630	120	420	80	10,250
1974-75[R]	4,650	2,760	2,560	9,970	140	520	110	10,740
1975-76[R]	5,320	2,860	2,480	10,660	110	310	40	11,120
1976-77[R]	4,800	2,530	3,120	10,450	130	960	80	11,620
1977-78[R]	5,100	1,840	2,800	9,740	150	520	150	10,560
1978-79[R]	4,200	1,150	2,320	7,670	170	520	190	8,550
1979-80[R]	4,620	1,380	3,360	9,360	200	870	110	10,540
1980-81[R]	5,460	1,610	3,760	10,830	240	560	80	11,710
1981-82[R]	5,600	1,500	3,280	10,380	280	490	120	11,270
1982-83[R]	6,440	1,380	2,880	10,700	260	630	130	11,720
1983-84[R]	6,230	1,500	2,960	10,690	280	520	170	11,660
1984-85[R]	6,790	1,260	3,040	11,100	280	740	140	12,250
1985-86[R]	7,630	1,120	2,730	11,480	100	760	130	12,470
1986-87[R]	7,500	1,230	3,000	11,730	90	590	130	12,530
1987-88[R]	7,380	1,390	2,660	11,430	140	470	210	12,250
1988-89[R]	8,180	1,390	2,880	12,450	350	510	150	13,460
1989-90[R]	8,420	1,060	2,690	12,170	230	540	110	13,050
1990-91	8,290	890	2,310	11,490	130	460	170	12,250

NOTE: Seed usage estimate from 1955-56 to 1970-71 based on subsequent year's planted area.

TABLE 96: Historical Farm Supply and Disposition of Major Crops

1985-86	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	5.0	40.0	50.0	70.0	10.0	3.0	5.0	178.0
Production	327.0	5 226.0	494.0	2 526.0	167.3	559.0	635.0	9 607.3
TOTAL SUPPLY	332.0	5 266.0	544.0	2 596.0	177.3	562.0	640.0	9 785.3
DISPOSITION								
Marketings	277.0	4 836.2	100.5	1 581.9	86.2	452.8	536.5	7 594.0
Seed Requirements	17.4	207.7	17.3	59.4	2.5	19.3	3.0	309.2
Feed, Waste & Dockage	35.6	182.1	326.2	824.7	63.6	69.9	80.5	1 547.1
Carryover, July 31	2.0	40.0	100.0	130.0	25.0	20.0	20.0	335.0
TOTAL DISPOSITION	332.0	5 266.0	544.0	2 596.0	177.3	562.0	640.0	9 785.3
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	184	1,470	3,242	3,215	394	118	220	8,659
Production	12,015	192,024	32,032	116,017	6,586	22,006	27,998	396,663
TOTAL SUPPLY	12,199	193,494	35,274	119,232	6,980	22,124	28,219	405,323
DISPOSITION								
Marketings	10,178	177,701	6,517	72,655	3,393	17,824	23,655	301,745
Seed Requirements	639	7,632	1,122	2,728	98	760	132	12,472
Feed, Waste & Dockage	1,308	6,691	21,151	37,878	2,504	2,753	3,550	74,527
Carryover, July 31	73	1,470	6,484	5,971	984	787	882	16,578
TOTAL DISPOSITION	12,199	193,494	35,274	119,232	6,980	22,124	28,219	405,323

1986-87	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	2.0	40.0	100.0	130.0	25.0	20.0	20.0	335.0
Production	353.8	4 458.3	455.0	1 850.7	57.4	546.1	567.0	7 934.5
TOTAL SUPPLY	355.8	4 498.3	555.0	1 980.7	82.4	566.1	587.0	8 269.5
DISPOSITION								
Marketings	284.6	3 455.3	84.6	1 009.5	38.8	447.1	525.8	5 561.1
Seed Requirements	16.0	204.0	18.9	65.4	2.2	15.0	2.9	308.4
Feed, Waste & Dockage	10.2	299.0	371.5	745.8	16.4	54.0	48.3	1 535.0
Carryover, July 31	45.0	540.0	80.0	160.0	25.0	50.0	10.0	865.0
TOTAL DISPOSITION	355.8	4 498.3	555.0	1 980.7	82.4	566.1	587.0	8 269.5
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	73	1,470	6,484	5,971	984	787	882	16,578
Production	13,000	163,816	29,503	85,001	2,260	21,498	25,000	327,078
TOTAL SUPPLY	13,074	165,286	35,987	90,972	3,244	22,286	25,882	343,656
DISPOSITION								
Marketings	10,457	126,960	5,486	46,367	1,527	17,602	23,184	221,126
Seed Requirements	588	7,496	1,226	3,004	87	591	128	12,530
Feed, Waste & Dockage	375	10,988	24,088	34,252	646	2,125	2,130	74,229
Carryover, July 31	1,653	19,842	5,187	7,349	984	1,968	441	35,771
TOTAL DISPOSITION	13,074	165,286	35,987	90,972	3,244	22,286	25,882	343,656

TABLE 96: Continued

1987-88	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	45.0	540.0	80.0	160.0	25.0	50.0	10.0	865.0
Production	258.5	3 946.0	431.8	1 937.7	45.7	398.8	567.0	7 327.0
TOTAL SUPPLY	303.5	4 486.0	511.8	2 097.7	70.7	448.8	577.0	8 192.0
DISPOSITION								
Marketings	176.8	3 465.9	107.6	893.9	50.0	334.1	493.6	5 345.1
Seed Requirements	11.9	200.9	21.4	57.9	3.5	12.0	4.8	300.5
Feed, Waste & Dockage	64.8	369.2	302.8	745.9	12.2	42.7	58.6	1 531.4
Carryover, July 31	50.0	450.0	80.0	400.0	5.0	60.0	20.0	1 015.0
TOTAL DISPOSITION	303.5	4 486.0	511.8	2 097.7	70.7	448.8	577.0	8 192.0
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	1,653	19,842	5,187	7,349	984	1,968	441	35,771
Production	9,498	144,992	27,999	88,997	1,799	15,700	25,000	304,486
TOTAL SUPPLY	11,152	164,834	33,186	96,345	2,783	17,668	25,441	340,257
DISPOSITION								
Marketings	6,495	127,351	6,977	41,056	1,968	13,153	21,764	212,269
Seed Requirements	437	7,382	1,388	2,659	138	472	212	12,251
Feed, Waste & Dockage	2,383	13,566	19,634	34,258	480	1,681	2,584	72,204
Carryover, July 31	1,837	16,535	5,187	18,372	197	2,362	882	43,534
TOTAL DISPOSITION	11,152	164,834	33,186	96,345	2,783	17,668	25,441	340,257

1988-89	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	50.0	450.0	80.0	400.0	5.0	60.0	20.0	1 015.0
Production	111.6	2 381.5	231.3	1 110.4	55.9	180.3	635.0	4 594.4
TOTAL SUPPLY	161.6	2 831.5	311.3	1 510.4	60.9	240.3	655.0	5 609.4
DISPOSITION								
Marketings	111.2	2 288.6	94.3	646.5	50.3	186.5	544.7	3 810.9
Seed Requirements	16.0	222.6	21.4	62.7	8.9	13.0	3.3	331.9
Feed, Waste & Dockage	9.4	245.3	170.6	716.2	1.7	30.8	62.0	1 226.6
Carryover, July 31	25.0	75.0	25.0	85.0	0.0	10.0	45.0	240.0
TOTAL DISPOSITION	161.6	2 831.5	311.3	1 510.4	60.9	240.3	655.0	5 609.4
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	1,837	16,535	5,187	18,372	197	2,362	882	43,534
Production	4,101	87,506	14,998	51,000	2,201	7,098	27,998	190,800
TOTAL SUPPLY	5,938	104,041	20,185	69,371	2,397	9,460	28,880	234,335
DISPOSITION								
Marketings	4,087	84,092	6,115	29,695	1,980	7,340	24,019	153,240
Seed Requirements	588	8,179	1,388	2,880	350	512	146	13,454
Feed, Waste & Dockage	345	9,013	11,062	32,893	67	1,214	2,732	56,981
Carryover, July 31	919	2,756	1,621	3,904	0	394	1,984	10,659
TOTAL DISPOSITION	5,938	104,041	20,185	69,371	2,397	9,460	28,880	234,335

TABLE 96: Continued

1989-90	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	25.0	75.0	25.0	85.0	0.0	10.0	45.0	240.0
Production	234.1	4 172.2	330.0	1 545.8	198.1	218.5	385.6	6 850.2
TOTAL SUPPLY	259.1	4 247.2	355.0	1 630.8	198.1	228.5	430.6	7 090.2
DISPOSITION								
Marketings	211.8	3 760.4	106.7	787.0	123.3	186.1	366.7	5 330.2
Seed Requirements	14.6	229.1	16.4	58.6	5.8	13.7	2.6	326.2
Feed, Waste & Dockage	17.7	212.7	181.9	665.2	54.0	23.7	46.3	1 183.8
Carryover, July 31	15.0	45.0	50.0	120.0	15.0	5.0	15.0	250.0
TOTAL DISPOSITION	259.1	4 247.2	355.0	1 630.8	198.1	228.5	430.6	7 090.2
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	919	2,756	1,621	3,904	0	394	1,984	10,659
Production	8,602	153,303	21,398	70,997	7,799	8,602	17,002	279,100
TOTAL SUPPLY	9,520	156,059	23,019	74,901	7,799	8,995	18,986	289,759
DISPOSITION								
Marketings	7,782	138,172	6,917	36,144	4,854	7,328	16,169	209,584
Seed Requirements	536	8,418	1,063	2,691	228	539	115	13,055
Feed, Waste & Dockage	650	7,816	11,797	30,554	2,126	931	2,041	55,264
Carryover, July 31	551	1,653	3,242	5,511	591	197	661	11,856
TOTAL DISPOSITION	9,520	156,059	23,019	74,901	7,799	8,995	18,986	289,759

1990-91	Durum Wheat	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	TOTAL
				thousand tonnes				
SUPPLY								
Opening Stocks - Aug 1	15.0	45.0	50.0	120.0	15.0	5.0	15.0	250.0
Production	359.2	5 884.4	339.3	1 959.5	157.5	381.0	460.4	9 182.1
TOTAL SUPPLY	374.2	5 929.4	389.3	2 079.5	172.5	386.0	475.4	9 432.1
DISPOSITION								
Marketings	277.9	5 034.6	85.1	1 073.2	86.5	256.0	410.8	6 946.2
Seed Requirements	11.4	225.5	13.8	50.2	3.4	11.6	3.8	308.3
Feed, Waste & Dockage	24.9	189.3	200.4	786.1	47.6	43.4	50.8	1 317.6
Carryover, July 31	60.0	480.0	90.0	170.0	35.0	75.0	10.0	860.0
TOTAL DISPOSITION	374.2	5 929.4	389.3	2 079.5	172.5	386.0	475.4	9 432.1
				thousand bushels				
SUPPLY								
Opening Stocks - Aug 1	551	1,653	3,242	5,511	591	197	661	11,856
Production	13,198	216,216	22,001	89,998	6,200	14,999	20,300	369,714
TOTAL SUPPLY	13,750	217,870	25,243	95,509	6,791	15,196	20,961	381,570
DISPOSITION								
Marketings	10,211	184,991	5,518	49,291	3,405	10,078	18,113	271,397
Seed Requirements	419	8,286	895	2,306	134	457	168	12,244
Feed, Waste & Dockage	915	6,956	12,994	36,105	1,874	1,709	2,240	61,877
Carryover, July 31	2,205	17,637	5,836	7,808	1,378	2,953	441	36,052
TOTAL DISPOSITION	13,750	217,870	25,243	95,509	6,791	15,196	20,961	381,570

TABLE 97: Historical Production Value Summary of Livestock

Year	Cattle	Hogs	Sheep	Dairy	Poultry	Total*
			- thousand dollars -			
1957	35,350	20,915	577	29,473	23,000	109,315
1958	51,552	30,143	608	32,307	25,362	139,972
1959	49,764	24,465	559	31,430	23,487	129,705
1960	50,142	17,820	614	30,959	22,031	121,566
1961	51,816	25,662	701	30,952	23,393	132,524
1962	53,048	19,614	609	30,962	21,907	126,140
1963	56,518	23,688	628	30,730	23,860	135,424
1964	54,120	25,740	629	29,986	23,856	134,331
1965	54,929	29,760	552	30,425	26,843	142,509
1966	66,341	38,324	500	29,999	30,179	165,343
1967	66,220	37,048	455	32,699	25,975	162,397
1968	64,944	35,010	400	33,775	28,522	162,651
1969	85,188	56,862	290	32,797	33,385	208,522
1970	92,303	63,826	183	32,063	33,294	221,669
1971	98,978	46,892	391	32,119	27,277	205,657
1972	112,880	71,940	470	35,980	31,879	253,149
1973	155,880	106,190	604	41,731	50,535	354,940
1974	147,840	79,402	621	57,592	53,327	338,782
1975	122,208	89,610	546	66,796	46,226	325,386
1976[a]	113,004	87,591	406	61,829	58,455	321,285
1977[a]	129,168	85,002	423	63,711	58,723	337,027
1978[a]	180,780	110,000	620	67,705	61,437	420,542
1979	258,060	131,075	712	73,176	73,186	536,209
1980	248,880	118,064	886	85,606	80,171	533,607
1981	191,265	138,208	782	96,938	95,548	522,741
1982	188,692	170,408	937	106,036	95,419	561,492
1983	203,148	166,750	931	108,734	95,284	574,847
1984	240,500	191,261	960	116,172	103,904	652,797
1985	261,151	196,846	1,539	113,305	103,443	676,284
1986	296,215	254,533	1,947	117,410	103,633	773,738
1987	243,390	264,000	1,932	121,317	104,215	734,854
1988	290,000	228,000	1,801	129,165	113,075	762,041
1989	245,000	219,000	1,407	131,825	121,757	720,989
1990[a]	333,000	247,000	1,177	128,459	125,932	838,068
1991	291,000	240,000	1,261	127,850	121,812	789,323

* Includes value of other livestock commencing in 1989.

TABLE 98: Historical Production and Value of Cattle

Year	Commerical Marketings	Local Slaughterings	Inventory Change	Inshipments (minus)*	Total	Value** Per Animal	Total Value
	- thousand animals -					$	($000)
1957	346	32	-22	6	350	101	35,350
1958	356	26	-12	12	358	144	51,552
1959	300	23	45	20	348	143	49,764
1960	317	22	53	26	366	137	50,142
1961	402	26	-16	31	381	136	51,816
1962	313	23	73	60	349	152	53,048
1963	347	24	66	70	367	154	56,518
1964	399	24	49	62	410	132	54,120
1965	528	28	-62	81	413	133	54,929
1966	508	28	-42	87	407	163	66,341
1967	500	28	-52	91	385	172	66,220
1968	468	28	-57	70	369	176	64,944
1969	392	27	84	131	372	229	85,188
1970	416	26	45	104	383	241	92,303
1971	417	26	28	62	409	242	98,978
1972	432	26	42	85	415	272	112,880
1973	429	28	73	97	433	360	155,880
1974	398	26	71	47	448	330	147,840
1975	512	34	-38	52	456	268	122,208
1976	567	31	-40	120	438	258	113,004
1977	639	26	-58	139	468	276	129,168
1978	523	23	-91	62	393	460	180,780
1979	444	21	-43	31	391	660	258,060
1980	444	22	-7	51	408	610	248,880
1981	367	20	-30	46	311	615	191,265
1982	435	15	-80	48	322	586	188,692
1983	378	20	-20	36	342	594	203,148
1984	411	18	-33	28	368	653	240,500
1985	434	9	-27	23	393	664	261,151
1986	459	10	0	25	444	667	296,215
1987	420	10	-28	21	381	640	243,390
1988	425	10	-15	25	395	734	290,000
1989	378	8	0	0	386	634	245,000
1990	403	8	26	0	437	762	333,000
1991	364	6	49	0	419	695	291,000

* Inshipments are included in commercial marketings from 1989.
** Rounded to nearest dollar.

TABLE 99: Historical Commercial Marketings of Cattle - Manitoba Origin

Year	Under 1 Year		1 Year and Over		Total		
	Animals (000)	Value ($000)	Animals (000)	Value ($000)	Animals (000)	Value Each $	Value ($000)
1957	98	4,306	248	30,533	346	101	34,839
1958	101	7,845	255	43,410	356	144	51,255
1959	89	6,675	211	36,162	300	143	42,837
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,088	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	225,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532
1984	42	14,322	369	254,061	411	653	268,383
1985	56	19,712	378	268,464	434	664	288,176
1986	116	49,519	343	256,634	459	667	306,153
1987	127	72,340	293	196,460	420	640	268,800
1988	116	68,900	309	243,000	425	734	311,900
1989	110	60,000	268	179,600	378	634	239,600
1990	66	39,500	337	267,600	403	762	307,100
1991	58	31,000	306	222,000	364	695	253,000

TABLE 100: Historical Production and Value of Hogs

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Total	Value* Per Animal ($)	Total Value ($000)
		- thousand animals -				
1957	332	64	49	445	47	20,915
1958	464	54	183	701	43	30,143
1959	654	87	-42	699	35	24,465
1960	506	76	-87	495	36	17,820
1961	519	66	26	611	42	25,662
1962	467	60	-60	467	42	19,614
1963	437	50	77	564	42	23,688
1964	582	52	26	660	39	25,740
1965	579	49	-8	620	48	29,760
1966	595	47	95	737	52	38,324
1967	766	56	20	842	44	37,048
1968	751	53	-26	778	45	35,010
1969	778	50	225	1,053	54	56,862
1970	1,093	50	215	1,358	47	63,826
1971	1,352	57	-175	1,234	38	46,892
1972	1,238	50	20	1,308	55	71,940
1973	1,277	55	-37	1,295	82	106,190
1974	1,270	53	-250	1,073	74	79,402
1975	886	52	-68	870	103	89,610
1976	835	46	22	903	97	87,591
1977	852	37	25	914	93	85,002
1978	895	40	65	1,000	110	110,000
1979	1,084	36	105	1,225	107	131,075
1980	1,250	30	-24	1,256	94	118,064
1981	1,220	23	-9	1,234	112	138,208
1982	1,229	24	0	1,253	136	170,408
1983	1,358	20	72	1,450	115	166,750
1984	1,583	26	40	1,649	116	191,261
1985	1,777	20	-55	1,742	113	196,846
1986	1,743	21	41	1,805	141	254,533
1987	1,825	21	67	1,913	138	264,000
1988	2,108	21	36	2,165	105	228,000
1989	2,178	21	-30	2,169	101	219,000
1990	1,957	21	16	1,994	124	247,000
1991	2,092	19	11	2,122	113	240,000

* Values rounded to nearest dollar.

TABLE 101: Historical Commercial Hog Marketings - Manitoba Origin

Year	Animals (000)	Value Each $	Total Value ($000)
1957	332	47	15,604
1958	464	43	19,952
1959	654	35	22,890
1960	506	36	18,216
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640
1982	1,229	136	167,14
1983	1,358	115	156,17
1984	1,583	116	183,62
1985	1,777	113	200,80
1986	1,743	141	245,76
1987	1,825	138	251,85
1988	2,108	105	221,34
1989	2,178	101	219,98
1990	1,957	124	242,67
1991	2,092	113	236,40

TABLE 102: Historical Production and Value of Sheep and Wool

Year	Sheep and Lamb Marketings (Slaughterings & Net Exports)		Wool			Total
	Animals (000)	Value ($000)	Kilograms Shorn (000)	Pounds Shorn (000)	Value ($000)	Value ($000)
1957	34	496	102	224	81	577
1958	34	507	115	254	101	608
1959	32	455	114	252	104	559
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	138	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	38	84	32	406
1977	10	388	43	95	35	423
1978	11	570	49	108	50	620
1979	13	655	39	85	57	712
1980	17	806	52	116	80	886
1981	18	700	60	133	82	782
1982	22	883	57	125	54	937
1983	20	874	62	136	57	931
1984	21	895	53	117	65	960
1985	20	1,494	47	104	45	1,539
1986	23	1,906	39	85	41	1,947
1987	21	1,883	37	81	49	1,932
1988	21	1,717	44	98	84	1,801
1989	21	1,331	52	114	76	1,407
1990[R]	22	1,165	52	114	12	1,177
1991	26	1,248	53	116	13	1,261

TABLE 103: Historical Production and Value of Dairy Products

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (000 kl)	Total Farm Value ($000)	Creamery Butter (tonnes)	Cheddar Cheese (tonnes)	Ice Cream* (kilolitres)
1957	466	29,473	10 683	573	7 683
1958	492	32,307	12 092	314	7 965
1959	478	31,430	11 626	175	8 587
1960	468	30,959	11 239	221	9 547
1961	464	30,952	11 466	250	10 342
1962	466	30,962	11 614	286	10 760
1963	458	30,730	11 295	371	12 297
1964	442	29,986	10 688	428	13 333
1965	417	30,425	9 891	519	13 397
1966	382	29,999	8 559	654	13 220
1967	366	32,699	7 743	961	14 365
1968	367	33,775	8 009	909	14 356
1969	363	32,797	7 765	1 467	14 734
1970	351	32,063	7 100	1 919	15 284
1971	338	32,119	6 225	2 642	14 911
1972	355	35,980	5 906	4 324	15 465
1973	352	41,731	5 446	4 424	16 020
1974	333	57,592	4 611	4 248	17 556
1975[R]	321	66,796	4 744	4 627	19 266
1976[R]	281	61,829	4 053	4 615	20 448
1977[R]	284	63,711	4 131	4 885	18 872
1978[R]	283	67,705	4 277	5 121	18 774
1979	280	73,176	4 205	6 011	19 568
1980	288	85,606	4 199	6 857	20 941
1981	289	96,938	3 774	6 465	21 593
1982	294	106,036	4 266	4 788	20 660
1983	292	108,734	3 857	6 702	20 896
1984	297	116,172	3 847	6 906	19 277
1985	290	113,305	3 746	6 465	18 556
1986	291	117,410	3 859	5 859	16 962
1987	307	121,317	4 147	6 339	17 072
1988	311	129,165	4 506	6 100	16 210
1989[R]	302	131,825	4 325	6 192	16 335
1990[R]	293	128,459	4 562	5 895	15 799
1991	286	127,850	4 795	5 550	16 615

* Approximately two parts of ice-cream are made from one part of ice-cream mix.

TABLE 103: Continued

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million lb)	Total Farm Value ($000)	Creamery Butter (000 lb)	Cheddar Cheese (000 lb)	Ice Cream* (000 gals)
1957	1,066	29,473	23,552	1,263	1,690
1958	1,127	32,307	26,657	693	1,752
1959	1,093	31,430	25,630	385	1,889
1960	1,070	30,959	24,778	487	2,100
1961	1,062	30,952	25,278	551	2,275
1962	1,066	30,962	25,605	631	2,367
1963	1,049	30,730	24,901	817	2,705
1964	1,011	29,986	23,563	944	2,933
1965	955	30,425	21,806	1,145	2,947
1966	875	29,999	18,868	1,441	2,908
1967	837	32,699	17,071	2,118	3,160
1968	840	33,775	17,656	2,004	3,158
1969	831	32,797	17,119	3,235	3,241
1970	804	32,063	15,652	4,230	3,362
1971	774	32,119	13,723	5,824	3,280
1972	813	35,980	13,020	9,532	3,402
1973	805	41,731	12,006	9,753	3,524
1974	763	57,592	10,165	9,366	3,862
1975[R]	735	66,796	10,458	10,201	4,238
1976[R]	643	61,829	8,935	10,174	4,498
1977[R]	649	63,711	9,107	10,769	4,151
1978[R]	647	67,705	9,429	11,290	4,130
1979	641	73,176	9,270	13,252	4,304
1980	659	85,606	9,257	15,117	4,606
1981	661	96,938	8,320	14,253	4,750
1982	673	106,036	9,405	10,556	4,545
1983	668	108,734	8,503	14,776	4,597
1984	680	116,172	8,481	15,225	4,240
1985	664	113,305	8,258	14,253	4,082
1986	666	117,410	8,507	12,917	3,731
1987	703	121,317	9,142	13,975	3,755
1988	712	129,165	9,934	13,448	3,566
1989[R]	691	131,825	9,535	13,651	3,593
1990[R]	670	128,459	10,057	12,996	3,475
1991	654	127,850	10,571	12,235	3,654

TABLE 104: Historical Production Value Summary of Poultry

Year	Eggs	Meat	Total
		- thousand dollars -	
1957	10,882	12,118	23,000
1958	11,327	14,035	25,362
1959	10,160	13,327	23,487
1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,385
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80,171
1981	47,940	47,608	95,548
1982	46,054	49,365	95,419
1983	47,375	47,909	95,284
1984	51,808	52,096	103,904
1985	51,323	52,120	103,443
1986	50,471	53,162	103,633
1987	49,731	54,484	104,215
1988	54,447	58,628	113,075
1989	62,207	59,550	121,757
1990[R]	62,845	63,087	125,932
1991	63,830	57,982	121,812

TABLE 105: Historical Livestock Prices by Grade, Winnipeg

Year	LIVE CATTLE						HOGS	SHEEP
	Choice Slaughter Steers (A1,A2)*	Good Slaughter Cows (D1,D2)	Total Slaughter (+227 kg)	Good and Choice Veal	Good Feeder Steers (350-400 kg)	Steer Calves (150-200 kg)	Index 100 Dressed	All Live Sheep & Lambs
	- cents per kilogram -							
1957 ...	41.7	26.2	31.4	52.1	37.5	37.4	62.2	35.9
1958 ...	50.6	36.6	42.6	62.7	47.6	56.5	55.6	37.6
1959 ...	54.2	37.6	44.4	70.0	50.5	53.8	47.0	35.7
1960 ...	49.8	34.2	40.4	67.1	46.3	47.9	47.7	34.8
1961 ...	48.5	34.2	40.9	66.9	47.3	52.4	54.8	33.0
1962 ...	56.7	37.9	45.9	73.5	53.8	60.5	56.6	35.6
1963 ...	52.6	37.7	44.5	71.5	51.2	57.0	54.7	37.5
1964 ...	–	34.0	39.7	67.7	46.0	49.0	51.9	38.8
1965 ...	53.5	32.6	40.0	65.7	48.6	51.1	67.6	42.2
1966 ...	57.1	41.6	47.2	75.7	56.3	63.1	73.7	44.1
1967 ...	61.3	44.0	50.0	85.7	58.5	67.0	60.7	41.6
1968 ...	61.0	43.1	51.2	83.6	59.2	68.0	62.0	47.3
1969 ...	66.1	52.8	60.4	92.7	70.6	84.9	78.2	53.2
1970 ...	68.5	51.6	62.5	103.0	72.8	86.9	64.4	59.1
1971 ...	73.1	50.9	63.4	103.8	74.4	92.2	50.4	54.6
1972 ...	78.4	58.3	70.2	117.5	85.5	102.0	75.0	61.3
1973 ...	99.5	77.3	85.8	146.5	103.1	120.9	113.1	74.5
1974 ...	107.5	59.8	81.5	155.0	89.6	92.4	101.7	99.2
1975 ...	96.6	46.9	63.1	97.5	78.0	71.5	137.9	108.5
1976 ...	86.5	50.5	61.0	103.7	79.4	80.8	130.1	110.4
1977 ...	85.7	55.3	65.9	97.8	83.0	84.2	125.2	140.3
1978 ...	127.9	88.0	101.9	163.2	129.3	141.6	149.5	130.3
1979 ...	167.8	125.4	142.5	243.4	177.4	225.6	141.4	182.8
1980 ...	167.7	114.7	135.2	243.7	167.6	195.2	124.9	146.5
1981 ...	168.4	106.0	130.8	238.9	159.9	162.9	148.6	120.9
1982 ...	165.7	102.3	124.3	238.0	158.3	164.6	177.7	101.3
1983 ...	159.8	104.3	119.5	237.3	159.6	176.9	151.0	110.8
1984 ...	171.2	106.9	126.5	241.1	165.3	184.9	154.5	112.9
1985 ...	168.3	107.5	121.0	220.7	165.8	182.7	146.1	123.5
1986 ...	168.9	110.4	122.9	218.2	167.6	210.6	178.8	143.8
1987 ...	182.5	122.1	138.6	256.5	193.7	256.5	172.3	174.3
1988 ...	178.0	122.2	137.1	264.9	196.6	250.1	132.7	132.4
1989 ...	177.0	120.7	135.8	244.4	190.6	246.5	130.0	139.7
1990 ...	181.5	130.2	144.9	–	196.7	256.9	157.0	118.4
1991 ...	171.2	125.8	137.2	–	204.6	258.6	138.0	104.2

* Commencing in 1973: A1,A2 grade (450+ kg).

TABLE 105: Continued

Year	LIVE CATTLE						HOGS	SHEEP
	Choice Slaughter Steers (A1,A2)*	Good Slaughter Cows (D1,D2)	Total Slaughter (+500 lb)	Good and Choice Veal	Good Feeder Steers (800-900 lb)	Steer Calves (400-500 lb)	Index 100 Dressed	All Live Sheep & Lambs
	- cents per pound -							
1957 ...	18.93	11.90	14.23	23.65	17.00	16.98	28.20	16.28
1958 ...	22.93	16.60	19.31	28.45	21.60	25.64	25.20	17.06
1959 ...	24.57	17.05	20.12	31.75	22.90	24.39	21.30	16.19
1960 ...	22.60	15.50	18.32	30.45	21.00	21.74	21.65	15.78
1961 ...	22.00	15.50	18.55	30.35	21.45	23.78	24.85	14.95
1962 ...	25.70	17.20	20.80	33.35	24.40	27.42	25.65	16.15
1963 ...	23.85	17.10	20.20	32.45	23.20	25.85	24.80	17.00
1964 ...	–	15.40	18.00	30.70	20.85	22.21	23.55	17.60
1965 ...	24.25	14.80	18.15	29.80	22.05	23.20	30.65	19.15
1966 ...	25.90	18.85	21.40	34.35	25.55	28.60	33.45	20.00
1967 ...	27.80	19.95	22.70	38.85	26.55	30.40	27.55	18.85
1968 ...	27.65	19.55	23.20	37.90	26.85	30.85	28.10	21.45
1969 ...	30.00	23.95	27.40	42.05	32.00	38.50	35.45	24.15
1970 ...	31.05	23.42	28.35	46.70	33.00	39.42	29.20	26.80
1971 ...	33.15	23.10	28.75	47.10	33.75	41.80	22.85	24.75
1972 ...	35.54	26.45	31.86	53.30	38.80	46.28	34.00	27.80
1973 ...	45.14	35.06	38.91	66.44	46.76	54.85	51.31	39.93
1974 ...	48.76	27.12	36.97	70.30	40.62	41.90	46.12	45.00
1975 ...	43.80	21.27	28.63	44.24	35.37	32.41	62.55	49.22
1976 ...	39.25	22.92	27.67	47.04	36.02	36.66	59.03	50.10
1977 ...	38.89	25.10	29.88	44.37	37.66	38.21	56.78	63.64
1978 ...	58.01	39.93	46.21	74.04	58.67	64.23	67.83	59.12
1979 ...	76.11	56.88	64.62	110.39	80.49	102.34	64.15	82.94
1980 ...	76.06	52.05	61.33	110.56	76.04	88.53	56.67	66.44
1981 ...	76.37	48.10	59.31	108.37	72.55	73.88	67.40	54.82
1982 ...	75.17	46.42	56.38	107.97	71.81	74.65	80.61	45.95
1983 ...	72.50	47.29	54.21	107.65	72.38	80.22	68.49	50.27
1984 ...	77.67	48.49	57.39	109.38	74.98	83.89	70.10	51.19
1985 ...	76.34	48.75	54.89	100.12	75.21	82.89	66.25	56.04
1986 ...	76.62	50.07	55.77	98.96	76.03	95.54	81.10	65.23
1987 ...	82.80	55.39	62.87	116.36	87.94	116.34	78.16	79.04
1988 ...	80.76	55.45	62.21	120.17	89.17	113.45	60.19	60.04
1989 ...	80.28	54.76	61.58	110.85	86.44	111.83	58.97	63.36
1990 ...	82.33	59.05	65.74	–	89.24	116.53	71.22	53.71
1991 ...	77.66	57.05	62.23	–	92.81	117.29	62.60	47.25

* Commencing in 1973: A1,A2 grade (1,000+ lb).

TABLE 106: Historical Numbers of Livestock on Farms - July 1

Year	Milk Cows Only	Total Cattle & Calves	Hogs	Sheep	Hens and Chickens*	Turkeys
			- thousand animals or birds -			
1957	216	885	314	72	6,350	772
1958	209	868	453	78	6,980	932
1959	202	892	503	74	7,000	1,214
1960	198	931	371	76	6,400	880
1961	196	996	432	81	6,267	1,145
1962	185	982	334	76	5,485	970
1963	175	1,066	391	73	5,700	970
1964	172	1,152	460	72	6,270	885
1965	163	1,184	421	61	5,820	1,000
1966	150	1,151	499	51	5,844	1,091
1967	137	1,099	589	45	6,330	925
1968	129	1,029	547	38	6,380	870
1969	121	1,006	615	37	7,340	825
1970	116	1,104	907	40	8,540	900
1971	110	1,138	943	42	7,613	1,033
1972	105	1,210	893	36	7,530	1,000
1973	101	1,247	956	33	4,310	NA
1974	99	1,386	826	26	4,095	NA
1975	96	1,458	582	23	3,787	NA
1976	92	1,411	632	21	3,470	NA
1977	91	1,373	650	19	NA	NA
1978	88	1,262	683	20	NA	NA
1979	80	1,227	804	26	NA	NA
1980	80	1,186	823	28	NA	NA
1981	83	1,162	865	35	6,155	697
1982	80	1,125	865	38	NA	NA
1983	79	1,063	948	39	NA	NA
1984	78	985	1,060	37	NA	NA
1985	78	1,070	1,170	32	NA	NA
1986	65	1,115	1,089	25	6,298	730
1987[p]	65	1,070	1,148	23	7,005	854
1988[p]	66	1,075	1,250	22	6,757	857
1989[p]	66	1,065	1,265	23	6,537	823
1990[p]	64	1,075	1,221	24	6,574	895
1991**	56	1,109	1,287	37	6,409	792

* Hens and pullets only commencing in 1973.

** June 4, 1991.

[p] - Preliminary - subject to intercensal revision.

OTHER PRODUCTS

TABLE 107: Historical Production Value Summary of Other Farm Products

Year	P.M.U Operations	Honey & Beeswax[1]	Fur[2]	Forest	Total
			- thousand dollars -		
1957		869	3,493	385	4,747
1958		812	3,308	359	4,479
1959		820	3,514	333	4,667
1960		873	3,078	307	4,258
1961		987	2,798	267	4,052
1962		773	3,097	226	4,096
1963		1,117	3,115	186	4,418
1964		1,017	3,111	145	4,273
1965		1,112	4,363	105	5,580
1966		1,379	3,379	117	4,875
1967	1,072	1,586	3,102	164	5,924
1968	1,290	685	2,827	200	5,002
1969	910	1,469	2,322	232	4,933
1970	875	1,520	1,348	250	3,993
1971	625	1,355	1,088	279	3,347
1972	660	3,010	1,081	352	5,103
1973	1,069	3,874	1,200	400	6,543
1974	2,000	3,517	976	378	6,871
1975	3,200	3,176	989	362	7,727
1976	3,700	4,798	1,320	482	10,300
1977	3,200	5,217	1,600	262	10,279
1978	2,600	8,019	2,614	258	13,491
1979	3,000	9,264	2,568	298	15,130
1980	2,300	9,278	2,157	280	14,015
1981	2,860	10,748	2,119	1,083	16,810
1982	4,930	10,963	1,839	1,054	18,786
1983	5,460	10,717	1,878	1,157	19,212
1984	8,617	10,553	1,582	1,137	21,889
1985	10,521	11,749	6,951	1,195	30,416
1986	12,920	10,610	6,867	1,322	31,719
1987	12,260	9,903	10,558	1,491	34,212
1988	12,053	8,437	7,297	1,516	29,303
1989	16,024	7,744	3,746	1,569	29,083
1990	17,002	10,205	2,386	1,562	31,155
1991	21,155	10,457	2,230	1,522	35,364

[1] Includes leafcutting bees commencing in 1983.

[2] Includes wildlife pelts commencing in 1985.

RESOURCES

TABLE 108: Census Farm Area and Land Use, 1941-1991

Year	Improved Land					Unimproved Land	Total Land
	Crops	Pasture	Fallow	Other	Total		
	- thousand hectares -						
1941	2 561	185	1 120	112	3 978	2 858	6 836
1946	2 608	208	1 036	103	3 955	2 791	6 746
1951	2 968	237	1 019	131	4 355	2 820	7 175
1956	3 110	241	1 144	140	4 635	2 622	7 257
1961	3 112	291	1 307	132	4 842	2 511	7 353
1966	3 518	312	1 080	127	5 037	2 686	7 723
1971	3 691	296	1 074	120	5 181	2 511	7 692
1976	3 848	311	934	124	5 217	2 483	7 700
1981	4 420	353	598	133	5 504	2 112	7 616
1986	4 519	275	509	100	5 403	2 337	7 740
1991	4 761	341	297	NA	5 399	2 326	7 725

Year	Improved Land					Unimproved Land	Total Land
	Crops	Pasture	Fallow	Other	Total		
	- thousand acres -						
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819
1986	11,168	679	1,258	246	13,351	5,775	19,126
1991	11,765	843	734	NA	13,342	5,747	19,089

TABLE 109: Census Farm Numbers and Size, 1941-1991

Year	Farms	Average Size	
		Total Hectares	Improved Hectares
1941	58,024	118	68
1946	54,448	124	72
1951	52,383	137	83
1956	49,201	147	94
1961	43,306	170	112
1966	39,747	194	127
1971	34,981	220	148
1976	32,104	240	162
1981	29,442	259	187
1986	27,336	283	198
1991	25,706	301	210

TABLE 109: Census Farms Continued

Year	Farms	Average Size	
		Total Acres	Improved Acres
1941	58,024	291	169
1946	54,448	306	179
1951	52,383	338	205
1956	49,201	364	233
1961	43,306	420	276
1966	39,747	480	313
1971	34,981	543	366
1976	32,104	593	402
1981	29,442	639	462
1986	27,336	700	488
1991	25,706	743	519

TABLE 110: Census Farm Area by Tenure, 1941-1991

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-Renters	Managers	Owned or Managed	Rented
	- thousand hectares -					
1941	3 744	1 386	1 637	69	4 698	2 138
1946	4 062	973	1 618	94	5 056	1 691
1951	4 264	722	2 019	170	5 580	1 595
1956	4 092	655	2 335	175	5 592	1 665
1961	3 722	552	2 843	236	5 551	1 802
1966	3 878	379	3 228	238	5 938	1 785
1971	3 581	371	3 740	NA	5 691	2 001
1976	3 283	479	3 938	NA	5 500	2 200
1981	2 668	579	4 369	NA	5 098	2 518
1986	NA	NA	NA	NA	4 871	2 869
1991	NA	NA	NA	NA	4 858	2 867

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-Renters	Managers	Owned or Managed	Rented
	- thousand acres -					
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,536	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	NA	14,063	4,945
1976	8,112	1,183	9,731	NA	13,591	5,435
1981	6,592	1,430	10,797	NA	12,596	6,223
1986	NA	NA	NA	NA	12,038	7,089
1991	NA	NA	NA	NA	12,005	7,084

TABLE 111: Historical Value Per Unit of Farmland and Buildings, Manitoba and Canada

Year	$ per hectare		$ per acre	
	Manitoba	Canada	Manitoba	Canada
1957	84	99	34	40
1958	89	106	36	43
1959	86	111	35	45
1960	94	119	38	48
1961	99	124	40	50
1962	99	128	40	52
1963	106	136	43	55
1964	121	151	49	61
1965	138	168	56	68
1966	153	188	62	76
1967	175	212	71	86
1968	193	235	78	95
1969	183	240	74	97
1970	180	242	73	98
1971	178	247	72	100
1972	190	267	77	108
1973	227	324	92	131
1974	297	423	120	171
1975	348	536	141	217
1976	418	635	169	257
1977	492	731	199	296
1978	610	867	247	351
1979	719	1,072	291	434
1980	875	1,352	354	547
1981	1,013	1,520	410	615
1982	939	1,517	380	614
1983	939	1,448	380	586
1984	907	1,379	367	558
1985	887	1,278	359	517
1986	850	1,181	344	478
1987	791	1,090	320	441
1988	726	1,077	294	436
1989	771	1,176	312	476
1990	830	1,233	336	499
1991	810	1,210	328	490

TABLE 112: Census Farm and Total Population, 1941-1991

Year	Farms	Farm Population	Manitoba Population	Farm Per Cent of Total
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6
1986	27,336	86,505	1,071,232	8.1
1991	25,706	NA	1,091,942	NA

TABLE 113: Percentage of Persons in Manitoba Farm Households, 15 Years of Age and Over and in the Labour Force, by Occupation, 1971, 1981, 1986

	1971		1981		1986	
Occupation	Number	%	Number	%	Number	%
Farm Operators	26,910	41	22,715	42	22,250	41
Farm Workers	16,970	26	8,750	16	10,460	19
Construction Occupation	2,405	4	1,965	4	1,800	3
Transport Equipment	1,655	3	1,450	3	1,320	2
Clerical and Related	2,285	3	3,585	7	3,720	7
Services Occupation	2,420	4	2,535	5	2,695	5
Teaching and Related	1,300	2	1,160	2	1,220	2
Sales Occupation	1,400	2	1,780	3	1,790	3
Medicine and Health	1,005	2	1,490	3	1,670	3
Product Fabricating	1,325	2	1,620	3	1,245	2
All Other Occupations	7,740	12	6,160	11	5,815	11
Not Specified	–	–	445	1	365	1
TOTAL	**65,405**	**100**	**53,660**	**100**	**54,345**	**100**

TABLE 114: Census Capital Investment Values, 1941-1991

Year	Land and Buildings	Machinery and Equipment	Livestock	Total	Per Farm
	- million dollars -				$
1941	229	59	51	339	5,800
1946	339	94	71	504	9,300
1951	529	232	156	917	17,500
1956	604	244	110	958	19,500
1961	720	272	162	1,154	26,600
1966	1,178	380	199	1,757	44,200
1971	1,374	412	270	2,056	58,800
1976	3,208	960	367	4,535	141,300
1981	7,836	1,823	792	10,451	355,000
1986	6,584	2,231	739	9,555	349,500
1991	6,814	2,427	1,016	10,257	399,010

TABLE 115: Census Numbers of Machinery on Farms, 1951-1991

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	–	–
1956	59,265	28,556	21,425	–	–
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694
1986	73,945	57,502	21,946	24,528	15,317
1991	73,523	57,904	20,588	23,403	15,812

TABLE 116: Historical Sales of Selected Farm Machinery

Year	Tractors	Combines	Swathers	Balers
1957	2,015	877	861	963
1958	2,263	739	-	1,157
1959	2,486	1,009	768	1,547
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481
1984	1,550	580	787	383
1985	1,641	809	867	419
1986	1,378	591	430	529
1987	1,005	245	575	464
1988	1,040	145	601	510
1989	1,073	277	392	492
1990	1,010	302	190	470
1991	827	243	236	356

TABLE 117: Historical Sales of Fertilizer

Year Ending June 30	Major Formulations[1]	Other Materials[2]	Total	Major Formulations[1]	Other Materials[2]	Total
	tonnes			tons		
1957	13 526	684	14 210	14,910	754	15,664
1958	14 042	736	14 777	15,478	811	16,289
1959	18 329	807	19 136	20,204	890	21,094
1960	19 602	777	20 379	21,607	857	22,464
1961	26 022	1 130	27 152	28,684	1,246	29,930
1962	30 004	1 802	31 806	33,073	1,986	35,059
1963	41 376	1 376	42 752	45,608	1,517	47,125
1964	51 918	2 377	54 295	57,229	2,620	59,849
1965	65 104	2 420	67 525	71,764	2,668	74,432
1966	135 560	3 590	139 150	149,427	3,957	153,384
1967	160 425	3 902	164 327	176,835	4,301	181,136
1968	216 233	3 547	219 775	238,352	3,910	242,262
1969	124 874	3 888	128 763	137,648	4,286	141,934
1970	116 632	3 706	120 338	128,563	4,085	132,648
1971	172 860	4 354	177 213	190,542	4,799	195,341
1972	189 251	7 255	196 506	208,610	7,997	216,607
1973	271 469	6 125	277 593	299,238	6,751	305,989
1974	317 689	8 553	326 242	350,192	9,428	359,620
1975	340 129	4 521	344 650	374,928	4,983	379,911
1976	363 771	5 587	369 358	400,989	6,159	407,148
1977	360 072	7 037	367 109	396,908	7,757	404,665
1978	451 158	4 650	455 808	497,317	5,126	502,443
1979	538 900	4 800	543 700	594,029	5,291	599,320
1980	545 900	2 200	548 100	601,746	2,425	604,171
1981	513 000	4 000	517 000	565,480	4,409	569,889
1982	517 800	3 500	521 300	570,777	3,900	574,677
1983	502 600	1 400	504 000	554,070	1 500	555,570
1984	583 200	5 500	588 700	642,800	6,100	648,900
1985	669 100	5 400	674 500	737,706	5,954	743,660
1986	665 900	900	666 800	734,100	1,000	735,100
1987	568 100	47 900	616 000	626,200	52,800	679,000
1988	641 000	37 200	678 200	706,600	41,000	747,600
1989	580 900	46 600	627 500	640,400	51,400	691,800
1990	610 900	47 200	658 100	673,400	52,000	725,400
1991	659 600	40 800	700 500	727,100	45,000	772,200

[1] Includes ammonium phosphate, ammonium nitrate, urea, anhydrous ammonia, nitrogen solutions, ammonium sulphate, potassium chloride.

[2] Includes phosphates and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not in "major formulations" category.

FARM FINANCES

TABLE 118: Historical Farm Input Price Indices (1986=100), Western Canada

Year	Building and Fencing	Machinery & Motor Vehicles	Crop Production	Animal Production	Supplies and Services	Hired Farm Labour	Property Taxes	Interest	Farm Rent	Total Farm Inputs
1978	63.6	66.5	67.3	73.2	56.8	67.6				62.4
1979	71.0	75.2	74.4	92.7	62.4	71.7				73.1
1980	74.5	84.6	92.9	91.4	68.1	76.9				80.4
1981	81.2	94.1	99.4	92.0	81.7	82.2	68.6	127.3	101.8	92.4
1982	86.7	93.6	97.6	91.7	89.2	87.4	80.5	124.5	104.1	95.5
1983	93.7	97.7	95.0	92.5	93.4	90.5	82.8	102.5	106.2	95.7
1984	92.7	100.0	98.1	94.1	98.0	94.3	87.8	113.5	98.5	98.5
1985	93.9	98.0	100.5	93.6	100.0	97.4	93.8	115.0	107.0	99.8
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	102.8	99.0	93.5	104.5	101.7	102.4	97.9	97.3	83.1	98.7
1988	103.2	100.6	92.1	110.9	102.2	107.0	103.2	105.5	83.2	101.7
1989	105.1	102.9	99.0	110.8	102.1	112.5	107.2	119.9	95.2	106.2
1990[R]	107.1	106.9	99.2	108.5	105.3	116.3	113.9	128.0	101.2	108.6
1991	104.9	110.7	92.8	106.8	107.6	121.0	119.5	111.4	102.8	107.0

TABLE 119: Historical Farm Product Price Indices (1986 = 100)

	1982	1983	1984	1985[R]	1986	1987[R]	1988[R]	1989[R]	1990[R]	1991
TOTAL INDEX	**113.0**	**111.0**	**119.6**	**110.6**	**100.0**	**95.2**	**106.5**	**115.8**	**109.1**	**93.2**
TOTAL CROPS	**113.9**	**130.5**	**142.1**	**128.8**	**100.0**	**87.9**	**116.1**	**133.7**	**116.2**	**88.3**
Cereals	135.9	133.5	139.8	127.7	100.0	86.8	113.0	134.3	112.1	81.9
Oilseeds	127.7	131.5	161.0	140.1	100.0	83.5	130.5	135.5	127.9	95.0
All Other Crops[1]	110.8	105.4	120.9	114.0	100.0	104.6	109.9	126.1	123.2	123.0
TOTAL LIVESTOCK & PRODUCTS	**93.0**	**90.3**	**95.8**	**91.5**	**100.0**	**103.0**	**96.4**	**96.9**	**101.6**	**98.4**
Cattle and Calves	89.3	91.9	99.1	94.4	100.0	110.9	106.7	105.4	108.1	106.5
Hogs	96.9	82.1	84.3	78.9	100.0	97.7	74.6	72.4	88.6	78.5
Poultry	95.8	95.4	106.1	99.5	100.0	95.2	97.5	105.8	104.0	99.9
Eggs	96.4	96.9	105.0	102.4	100.0	92.0	98.8	106.5	94.8	93.5
Dairy	91.4	93.1	97.7	97.0	100.0	98.8	104.1	109.1	109.4	111.0
Other Livestock & Products[2]	113.5	110.6	105.1	100.6	100.0	104.2	97.7	84.2	88.4	100.8

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflower seed.
[2] Includes lambs, honey and fur.

TABLE 120: Historical Farm Cash Receipts

Year	Crop Receipts	Livestock Receipts	Other Receipts	Total Cash Receipts
		- thousand dollars -		
1957	97,046	100,200	886	198,132
1958	100,752	121,042	9,009	230,803
1959	112,999	114,84	22,687	230,528
1960	113,719	108,193	10,925	232,837
1961	114,253	124,778	3,730	242,761
1962	136,379	114,225	12,113	262,717
1963	147,707	121,768	2,273	271,748
1964	170,778	128,266	2,486	301,530
1965	184,173	155,935	2,505	342,613
1966	200,084	172,842	4,953	377,879
1967	193,198	174,481	7,123	374,802
1968	187,754	170,713	6,396	364,863
1969	168,823	176,516	5,727	351,066
1970	128,703	202,614	10,110	341,427
1971	173,905	193,543	10,352	377,800
1972	238,844	238,876	18,989	496,709
1973	281,819	328,437	17,786	628,042
1974	481,012	332,025	14,127	827,164
1975	565,301	346,184	35,533	947,018
1976	489,781	353,412	43,410	886,603
1977	472,226	378,401	31,145	881,772
1978	595,864	498,186	49,804	1,143,854
1979	711,094	562,649	66,665	1,340,408
1980	819,870	595,536	76,281	1,491,687
1981	962,068	605,461	80,490	1,648,019
1982	1,004,734	668,614	47,609	1,720,957
1983	1,099,368	620,0917	8,130	1,797,589
1984	1,157,012	688,418	134,201	1,979,631
1985	1,104,980	722,440	172,246	1,999,666
1986	1,067,447	769,371	237,746	2,074,564
1987	806,374	808,018	477,557	2,091,949
1988[R]	864,187	761,518	431,831	2,057,536
1989[R]	891,241	758,403	449,853	2,099,497
1990[R]	1,024,256	773,773	169,284	1,967,313
1991	1,003,871	747,377	228,589	1,979,837

TABLE 121: Historical Farm Cash Receipts From Crop Sales

Year	Wheat	Oats	Barley	Flaxseed	Canola	Other Crops	Total Crops
				- thousand dollars -			
1957	46,184	10,354	14,425	11,143		14,940	97,046
1958	58,122	7,649	16,156	7,952	295	10,578	100,752
1959	66,990	6,548	18,724	11,113	211	9,413	112,999
1960	66,349	6,378	15,108	12,189	754	12,941	113,719
1961	81,410	5,522	10,367	12,603	526	3,825	114,253
1962	77,416	10,129	11,395	20,654	884	15,901	136,379
1963	91,003	12,478	9,362	16,707	1,497	16,660	147,707
1964	99,832	12,423	10,059	29,323	3,047	16,094	170,778
1965	110,968	11,593	12,172	25,320	3,170	20,950	184,173
1966	114,363	14,457	13,936	33,996	4,619	18,713	200,084
1967	120,418	12,171	15,830	20,655	3,544	20,580	193,198
1968	109,486	11,292	17,127	15,192	3,103	31,554	187,754
1969	72,057	12,886	13,268	25,685	5,418	39,509	168,823
1970	72,317	6,347	21,472	17,613	9,727	1,227	128,703
1971	77,144	7,747	31,961	14,710	14,091	28,252	173,905
1972	113,272	11,553	45,302	12,988	19,901	35,828	238,844
1973	120,963	15,684	69,946	38,535	32,472	4,219	281,819
1974	225,296	14,649	100,889	61,350	50,120	28,708	481,012
1975	287,418	28,879	99,019	38,140	42,461	69,384	565,301
1976	243,166	23,883	80,402	39,881	29,040	73,409	489,781
1977	182,535	22,151	70,867	42,099	56,694	97,880	472,226
1978	234,187	15,681	99,334	54,594	90,696	101,372	595,864
1979	281,269	6,200	102,939	77,247	122,522	120,917	711,094
1980	388,022	4,907	93,564	92,919	99,492	140,966	819,870
1981	473,512	6,983	147,752	74,343	75,337	184,141	962,068
1982	512,010	7,211	161,038	67,409	99,509	157,557	1,004,734
1983	582,917	8,464	160,290	107,918	120,997	118,782	1,099,368
1984	618,065	8,406	134,887	96,942	138,996	159,716	1,157,012
1985	517,057	7,674	152,892	124,168	138,738	164,451	1,104,980
1986	537,768	9,030	147,374	83,102	125,064	165,109	1,067,447
1987	404,762	7,532	64,380	62,689	108,806	158,205	806,374
1988[R]	440,019	12,634	63,337	71,932	146,263	130,002	864,187
1989[R]	410,459	13,626	86,758	72,457	127,983	179,959	891,241
1990[R]	568,062	8,709	96,817	55,740	101,821	193,107	1,024,256
1991	566,610	5,477	70,005	35,593	128,924	197,262	1,003,871

TABLE 122: Historical Farm Cash Receipts From Livestock Sales

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Poultry & Eggs	Other Livestock & Products	Total Livestock
				- thousand dollars -			
1957	35,105	15,717	449	22,834	20,677	5,418	100,200
1958	46,556	20,501	484	25,040	23,086	5,375	121,042
1959	39,920	23,185	461	24,144	21,574	5,558	114,842
1960	40,298	17,884	466	23,868	20,570	5,107	108,193
1961	51,535	22,356	527	24,084	21,155	5,121	124,778
1962	44,074	20,628	445	24,096	19,970	5,012	114,225
1963	48,095	19,440	523	23,984	24,228	5,498	121,768
1964	51,026	23,582	544	23,699	23,972	5,443	128,266
1965	71,573	27,415	462	23,255	26,233	6,997	155,935
1966	78,326	35,084	346	22,055	30,464	6,567	172,842
1967	80,557	37,280	325	22,665	27,445	6,209	174,481
1968	76,234	36,074	244	23,075	29,763	5,323	170,713
1969	68,167	44,324	255	23,551	34,743	5,476	176,516
1970	81,239	58,021	213	23,890	34,367	4,884	202,614
1971	85,593	51,211	362	24,171	27,611	4,595	193,543
1972	105,548	66,293	362	28,183	32,173	6,317	238,876
1973	132,136	104,071	402	31,503	52,081	8,244	328,437
1974	131,791	94,758	497	42,951	54,005	8,023	332,025
1975	152,366	87,866	390	50,142	47,593	7,827	346,184
1976	155,618	79,877	383	52,087	55,843	9,604	353,412
1977	178,756	78,230	432	53,122	56,853	11,008	378,401
1978	260,375	105,026	657	57,335	59,492	15,301	498,186
1979	297,132	115,682	694	63,419	68,586	17,136	562,649
1980	308,756	117,432	860	75,491	75,618	17,379	595,536
1981	267,793	137,549	1,078	86,587	84,077	28,377	605,461
1982	286,854	169,466	1,096	95,944	84,683	30,571	668,614
1983	250,573	156,633	1,396	97,798	85,293	28,398	620,091
1984	273,287	185,928	1,536	104,926	93,398	29,343	688,418
1985	297,161	194,859	2,349	102,370	94,456	31,245	722,440
1986	290,158	243,188	1,940	106,782	96,333	30,970	769,371
1987	315,013	253,608	1,920	110,246	94,971	32,260	808,018
1988[R]	291,544	221,059	1,616	118,185	99,808	29,306	761,518
1989[R]	272,857	228,741	1,279	121,201	106,560	27,765	758,403
1990[R]	269,798	254,041	1,372	118,455	102,463	27,644	773,773
1991	256,790	240,725	3,020	118,168	100,621	28,053	747,377

TABLE 123: Historical Farm Operating Expenses and Depreciation Charges

Year	Machinery Operation	Dep. Bldgs. & Mach.	Interest on Debt	Rent & Taxes	Hired Labour	Feed & Seed Bought Comm.	Fert-ilizer	Other	Total Value (includes rebates from 1971)
					- thousand dollars -				
1957..	41,682	31,986	6,373	15,379	11,523	10,594	1,666	11,569	130,772
1958....	41,396	32,397	6,662	16,862	11,930	12,324	1,584	12,849	136,004
1959....	43,585	32,644	7,228	17,536	12,024	12,904	2,120	14,100	142,141
1960....	46,518	33,692	7,790	19,166	12,108	13,611	2,213	15,200	150,298
1961....	46,028	33,971	8,833	18,882	12,571	14,420	3,494	14,940	153,139
1962....	47,540	34,777	10,109	21,110	12,338	21,753	3,237	17,074	167,938
1963....	47,953	36,971	11,635	22,290	11,507	17,930	4,558	19,467	172,311
1964....	49,613	40,289	14,119	22,339	11,530	19,514	5,925	21,931	185,260
1965....	49,989	44,160	15,942	23,434	14,281	19,724	7,564	24,628	199,722
1966....	51,551	48,150	17,948	23,829	14,341	24,487	15,302	27,966	223,574
1967....	53,438	52,593	20,205	24,749	15,565	32,100	18,521	31,160	248,331
1968....	54,919	55,967	23,593	25,961	15,964	28,058	24,772	33,104	262,338
1969....	56,353	56,245	27,315	25,241	15,881	28,373	13,050	30,188	252,646
1970....	57,573	55,633	22,173	24,938	15,943	29,359	10,906	30,543	247,068
1971....	60,949	53,478	22,275	22,152	16,228	30,939	15,780	48,839	270,640
1972....	65,567	55,190	31,487	25,253	16,891	36,896	18,903	59,813	310,000
1973....	76,247	60,089	28,210	35,301	18,925	53,233	26,708	71,014	369,727
1974....	96,805	77,967	38,512	40,800	22,921	72,156	36,732	91,605	477,498
1975....	105,862	104,760	43,997	50,074	26,900	75,269	59,390	108,080	574,332
1976....	116,982	129,358	57,735	54,375	28,174	81,730	65,274	129,933	663,561
1977....	129,142	144,682	63,062	62,316	31,050	84,556	73,516	152,486	740,810
1978....	147,582	164,248	81,506	75,908	35,121	88,146	101,402	169,427	863,340
1979....	162,145	191,918	118,584	93,268	41,255	116,498	133,540	210,926	1,068,134
1980....	182,814	222,211	147,996	107,578	49,576	150,440	145,361	227,080	1,233,056
1981....	248,757	249,600	210,582	115,010	63,176	153,403	162,959	275,020	1,478,507
1982....	273,208	266,368	187,595	124,927	76,832	147,992	167,540	279,778	1,524,240
1983....	292,740	275,760	167,325	130,042	74,992	169,352	188,069	297,601	1,595,881
1984....	298,068	274,698	171,452	137,746	86,341	200,327	211,073	315,198	1,694,903
1985....	302,232	263,781	162,314	143,690	99,015	193,141	219,153	351,647	1,734,973
1986....	273,253	271,002	160,371	136,880	100,691	199,079	198,446	333,950	1,673,672
1987....	275,121	263,395	163,787	106,669	106,927	198,366	187,191	349,974	1,651,430
1988....	251,916	266,932	168,113	122,754	116,899	210,865	194,405	370,204	1,702,088
1989[r]...	274,916	270,954	175,654	135,741	125,474	229,303	179,922	402,456	1,794,420
1990[r]...	297,448	274,186	187,894	140,992	127,209	197,396	182,294	416,155	1,823,574
1991....	309,516	267,203	152,397	138,891	129,648	185,985	173,179	441,947	1,798,766

TABLE 124: Historical Farm Income Summary

Year	Total Cash Receipts	Income-in-Kind	Realized Gross Income	Operating & Dep. Cost	Realized Net Income	Value of Inventory Change	Total Net Income*
				- million dollars -			
1957	198	13	211	131	80	-12	68
1958	231	14	245	136	109	16	124
1959	230	13	243	142	101	-4	97
1960	233	12	245	150	95	8	103
1961	243	12	255	153	102	-57	45
1962	263	11	274	168	106	53	159
1963	272	11	283	172	111	-4	107
1964	302	10	312	185	127	29	156
1965	343	11	354	200	154	10	164
1966	378	10	388	224	164	-27	137
1967	374	10	384	248	136	16	152
1968	364	10	374	262	112	51	163
1969	352	10	362	253	109	9	118
1970	341	10	351	247	104	-15	89

	Total Cash Receipts	Operating Expenses After Rebates	Net Cash Income	Income-In-Kind	Depreciation Charges	Realized Net Income	Value of Inventory Change	Total Net Income*
				- million dollars -				
1971	378	217	161	9	53	116	39	155
1972	497	255	242	10	55	196	-32	164
1973	628	310	318	12	60	270	95	365
1974	827	400	428	10	78	360	-49	311
1975	947	470	477	9	105	382	9	391
1976	887	534	352	12	129	235	40	275
1977	882	596	286	10	145	151	130	281
1978	1,144	699	445	12	164	292	49	341
1979	1,340	876	464	13	192	285	-53	233
1980	1,492	1,011	481	15	222	274	-234	40
1981	1,648	1,229	419	15	250	184	225	410
1982	1,721	1,258	463	14	266	211	78	289
1983	1,798	1,320	477	14	276	215	-163	52
1984	1,980	1,420	559	14	275	299	14	313
1985	2,000	1,471	528	14	264	278	283	561
1986	2,075	1,403	672	14	271	415	-37	378
1987	2,092	1,388	704	14	263	455	-75	380
1988[R]	2,058	1,435	622	14	267	370	-220	150
1989[R]	2,099	1,523	576	14	271	319	146	465
1990[R]	1,967	1,549	418	14	274	158	327	484
1991	1,980	1,532	448	14	267	195	-4	191

* Totals may not add due to rounding.

TABLE 125: Historical Per Farm Total Net Income and Total Receipts

Year	No. of Farms	Total Net Income (Production Minus Cost)	Cash (Sales)
		dollars per farm	
1957	47,900	1,423	4,136
1958	46,700	2,660	4,942
1959	45,600	2,134	5,054
1960	44,400	2,317	5,244
1961	43,306	1,035	5,605
1962	42,600	3,726	6,167
1963	41,900	2,543	6,485
1964	41,200	3,780	7,318
1965	40,500	4,053	8,459
1966	39,747	3,459	9,507
1967	38,700	3,934	9,684
1968	37,700	4,319	9,678
1969	36,700	3,210	9,565
1970	35,800	2,480	9,537
1971	34,981	4,427	10,800
1972	34,400	4,776	14,439
1973	33,825	10,801	18,567
1974	33,250	9,368	24,877
1975	32,675	11,959	28,983
1976	32,104	8,574	27,617
1977	31,600	8,887	27,904
1978	31,000	11,011	36,898
1979	30,500	7,624	43,948
1980	30,000	1,317	49,723
1981	29,442	13,915	55,975
1982	29,300	9,856	58,736
1983	29,000	1,805	61,986
1984	29,000	10,777	68,263
1985	28,700	19,562	69,675
1986	27,336	13,839	75,891
1987[R]	27,010	14,053	77,451
1988[R]	26,684	5,612	77,107
1989[R]	26,358	17,644	79,653
1990[R]	26,032	18,610	75,573
1991	25,706	7,430	77,018

TABLE 126: Historical Monthly Precipitation in Winnipeg

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
							- millimetres -						
1966	9	10	41	47	38	36	86	105	18	22	26	21	459
1967	21	9	17	73	28	50	111	57	23	45	15	21	470
1968	21	5	13	32	99	83	144	143	59	40	4	9	652
1969	48	9	10	25	77	105	101	57	61	27	9	19	548
1970	23	15	27	65	87	50	70	75	112	27	27	23	601
1971	11	4	44	60	47	76	115	17	50	72	22	6	524
1972	16	10	20	13	29	50	60	103	61	25	10	25	422
1973	3	6	14	21	103	88	123	66	82	37	40	19	602
1974	39	11	15	59	156	18	32	110	46	5	6	13	510
1975	46	16	19	45	48	120	58	133	42	38	13	17	595
Average													
1966 - 1975	23.7	9.5	22.0	44.0	71.2	67.6	90.0	86.6	55.4	33.8	17.2	17.3	538.3
1976	30	23	23	32	10	183	37	59	10	2	1	18	428
1977	12	21	10	5	178	88	85	90	148	30	29	19	715
1978	10	8	11	23	123	51	61	18	83	10	43	21	462
1979	9	20	45	73	93	65	23	76	25	16	15	11	471
1980	34	17	13	0	8	45	24	110	86	33	25	11	406
1981	23	3	15	13	48	90	39	104	72	60	6	7	480
1982	26	8	36	13	23	54	107	59	58	62	6	32	484
1983	13	15	66	6	29	139	30	85	53	22	16	6	480
1984	12	8	12	47	30	228	38	21	62	99	27	22	606
1985	11	13	7	16	64	67	34	218	29	29	44	14	546
Average													
1976 - 1985	18.0	13.6	23.8	22.8	60.6	101.0	47.8	84.0	62.6	36.3	21.2	16.1	507.8
1986	9.6	12.9	16.9	98.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	471.0
1987	10.4	40.8	13.3	0.8	31.6	55.2	130.1	97.1	20.0	33.4	11.2	14.6	458.5
1988	8.8	10.7	24.2	0.8	29.9	94.9	70.8	8.5	61.3	26.8	21.3	22.5	380.5
1989	52.2	5.6	20.0	15.9	26.0	150.2	33.4	76.6	10.0	16.6	17.4	17.0	440.9
1990	24.4	9.1	32.8	19.8	29.7	143.1	33.2	16.9	31.5	8.8	19.6	24.1	393.0
1991	15.2	13.8	27.6	79.3	68.7	131.2	51.2	6.2	89.4	74.1	29.4	32.0	618.1
Average													
1986 - 1991	20.1	15.5	22.5	35.8	35.2	105.6	72.8	37.1	43.3	28.6	24.6	19.4	460.3

TABLE 126: Precipitation Continued

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
							- inches -						
1966	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	18.09
1967	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	18.52
1968	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	25.67
1969	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	21.57
1970	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	23.66
1971	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	20.64
1972	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	16.68
1973	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	23.69
1974	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	20.06
1975	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	23.37
Average													
1966 - 1975	0.93	0.38	0.87	1.74	2.80	2.66	3.54	3.41	2.18	1.33	0.68	0.68	21.20
1976	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	16.84
1977	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	28.15
1978	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	18.17
1979	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	18.56
1980	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	15.96
1981	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	18.88
1982	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	19.03
1983	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	18.86
1984	0.48	0.31	0.46	1.85	1.17	8.97	1.51	0.85	2.44	3.90	1.05	0.88	23.87
1985	0.44	0.53	0.28	0.63	2.52	2.64	1.34	8.58	1.14	1.14	1.73	0.55	21.50
Average													
1976 - 1985	0.71	0.54	0.93	0.90	2.38	3.98	1.88	3.31	2.46	1.43	0.83	0.63	19.98
1986	0.38	0.51	0.67	3.87	0.99	2.33	4.65	0.67	1.87	0.46	1.91	0.25	18.56
1987	0.41	1.61	0.52	0.03	1.24	2.17	5.12	3.82	0.79	1.31	0.44	0.57	18.05
1988	0.35	0.42	0.95	0.03	1.18	3.74	2.79	0.33	2.41	1.06	0.84	0.89	14.98
1989	2.06	0.22	0.79	0.63	1.02	5.91	1.31	3.02	0.39	0.65	0.69	0.67	17.36
1990	0.96	0.36	1.29	0.78	1.17	5.63	1.31	0.67	1.24	0.35	0.77	0.95	15.47
1991	0.60	0.54	1.09	3.12	2.70	5.17	2.02	0.24	3.52	2.92	1.16	1.26	24.33
Average													
1986 - 1991	0.79	0.61	0.89	1.41	1.39	4.16	2.87	1.46	1.70	1.13	0.97	0.76	18.12

TABLE 127: Historical Selected Seasonal Data

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop General Field Work
1957	April 19	May 4	Aug. 15	Nov. 15
1958	April 10	April 22	Aug. 20	Nov. 17
1959	April 15	April 23	Aug. 13	Nov. 3
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17
1984	April 10	May 7	Aug. 9	Nov. 18
1985	April 4	May 5	Aug. 12	Nov. 19
1986	April 7	May 25	Aug. 26	Nov. 6
1987	April 5	May 5	Aug. 8	Nov. 9
1988	April 6	May 3	Aug. 8	Nov. 7
1989	April 8	May 9	Aug. 8	Nov. 16
1990	April 19	May 15	Aug. 14	Nov. 24
1991	April 9	May 7	Aug. 7	Nov. 3

SOURCES AND METHODS

Preparation of this Yearbook was similar to that used since the series began in 1963. A large percentage of the material presented for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report.

The regular statistics program of Manitoba Agriculture is the major source of material for the Yearbook. This involves close cooperation with Statistics Canada and coordination of information from many sources, including the Canadian Grain Commission, Agriculture Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contribute through livestock and crop reporting, as do field and other staff members of Manitoba Agriculture. Basic data from Statistics Canada are derived from mail surveys in cooperation with Manitoba Agriculture. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Data for agricultural regions in the Yearbook can be supplemented by more detailed data for municipalities from the Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and agricultural region boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add up due to rounding.

Crops

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value for each crop represents value to the producer. Prior to 1981, the farm value for grains and special crops was calculated from imperial data. For 1981 and beyond, the calculation is made from metric data.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transport costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. Major crops areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture. Minor crops, such as sugar beets, dry beans and fababeans are estimated through contacts with dealers, processors and Department staff and/or through administrative data. Estimates, in most cases, are for harvested area and yields are based on the land harvested. Prior to 1986, the mixed grain area may have included some area cut for silage, with offsetting seeded area yield adjustments. Prior to 1991, the tame hay area may have included hay cut for silage, as well as some forage seed area. Data has been revised according to the intercensal changes, 1986-1991.

Yields. Major crop yields are derived from Statistics Canada surveys, in cooperation with Manitoba Agriculture. A number of minor crops are estimated mainly through Manitoba Agriculture and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data on protein content are obtained from the Canadian Grain Commission. Distribution by grade is based on Wheat Board Special Questionnaire No. 1, November when elevator agents estimate the amounts of deliverable grain in each grade. Initial payments to producers are reported by the Wheat Board. Thunder Bay selling prices are recorded by the Canadian Grain Commission. Prices listed are rounded to the nearest dollar. Marketing data are provided by the Canadian Grain Commission and Statistics Canada. Such data are also published by Statistics Canada in the Cereals and Oilseeds Review (22-007 monthly) and the Grain Trade of Canada (22-201 annual).

Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell barley, terminal elevator selling prices are Winnipeg Commodity Exchange cash quotations. Marketing data are from the same sources as wheat.

Oats, Flaxseed, Canola and Other Crops. These were treated, for the most part, similarly to the above. Regional data were not always available but verbal description was used when possible. Sugar beets are on a harvested area basis. Values are at the factory level, obtained from the Manitoba Sugar Company. Estimates for the current year are based on the per unit value of product sold to date and do not include a final payment to be made when the entire crop has been sold. Deduction of freight would not allow the remaining figure to properly indicate the actual sugar beet price, as it would vary considerably depending on the farm location. Forage seed data are from Plant Products Division, Agriculture Canada and the forage specialist, Manitoba Agriculture. Wild rice data are from the Manitoba Department of Natural Resources.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture. The processing potato area was obtained from the processors.

Different levels of prices are used with respect to processing, fresh market and farm-consumed potatoes to arrive at the total value. Other horticultural values, including fruit and ornamentals, also are derived in consultation with the provincial horticulturists.

Livestock

The production value of cattle and hogs includes inventory change. A gain in numbers on farms is a part of production, but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterings" are those farmers kill and eat, kill and sell, or sell locally for slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals brought in from other provinces, usually Saskatchewan. To avoid double counting in the value of production, inshipments are deducted. Commercial marketings include estimates of direct exports to other provinces and the United States.

Prices of all classes of livestock marketed are taken from Agriculture Canada's publication "Livestock Market Review". From these figures the average dollar value per animal is calculated and applied to animals marketed.

Slaughterings and Quality. Data for cattle and hogs are obtained principally from Agriculture Canada's publication "Livestock Market Review".

Sheep. Sources are the same as those for cattle and hogs. The production calculation is based on an estimate of the number of lambs produced during the year. Wool data are from Statistics Canada.

Dairy. Production figures are obtained from Statistics Canada publication 23-001 and the Manitoba Milk Producers' Marketing Board. The supplementary payments are not allocated to the different classes of milk but are added in the total value of dairy production.

Poultry. Production and price information is taken from Statistics Canada catalogue No. 23-202, Agriculture Canada's "Poultry Market Review" and Manitoba Agriculture's poultry specialist. Monthly egg prices are obtained from the Canadian Egg Marketing Agency. The value of hatching eggs is estimated by Manitoba Agriculture.

Broiler production is calculated on the basis of registered marketings. Roasting chickens are calculated according to placements as indicated by Agriculture Canada's Hatchery Outlook publication and allowing for a ten percent mortality figure. Broiler turkeys are listed equal to registered marketings of turkeys, 4.5359 kilograms and under (ten pounds and under), and roasting birds are estimated according to marketings and other information. Ducks are listed according to marketings plus an on-farm allowance. Geese are shown according to marketings, exports and Agriculture Canada survey data. Poultry meat prices are calculated per bird according to average weights and information on recorded prices by Agriculture Canada.

Other Products

Honey. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture.

Fur. Data for fur farms and on wildlife pelts are obtained from Statistics Canada's publication 23-207.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

Resources

Most resource information for Census years are from Statistics Canada, Census Division.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of 0.40469 hectares (one acre) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 and 1986 Census definitions refer to agricultural holdings with sales of agricultural products during the past twelve months of $250.00 or more, while the 1991 Census farm is defined as an agricultural holding which produces agricultural products for sale. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture.

Labour Force. Statistics are from the Labour Census, Statistics Canada and the Census of Agriculture. Wages come from Statistics Canada.

Machinery. Sales data are from the Canadian Farm and Industrial Equipment Institute.

Fertilizer. Sales data are from the Western Canada Fertilizer Association.

Land Values

Data are obtained from Statistics Canada.

Farm Input Price Index

This index comes from Statistics Canada and measures the price changes of goods and services purchased by Western Canadian farmers for use in agricultural production. Items included are weighted according to relative importance and grouped according to farm use.

The groups in the Farm Input Price Index consist of the following sub groups or items.

Building and Fencing - includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery and Motor Vehicles - includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks, petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production - includes grains, legumes and grass, seed, fertilizer, pesticides, twine and crop insurance.

Animal Production - includes feeder livestock, cattle, hogs, chicks and turkey poults, feed - prepared and grain feed; artificial insemination and veterinary services.

Supplies and Services - includes small tools, electricity, telephone and custom work.

Hired Labour - includes hourly, daily and monthly rates.

Farm Product Price Index

The Farm Product Price Index (FPPI), formerly called Index Numbers of Farm Prices of Agricultural Products, gives a measure of the change over time in the prices received by farmers for agricultural commodities at the first point of sale. The Index is calculated by Statistics Canada.

The Index is based on products accounting for about 95 percent of total farm cash receipts.

The price information used in compiling the index comes from a monthly survey of farm correspondents (Statistics Canada), and administrative data. Bonuses and premiums are included in the prices but storage, transportation costs, processing and handling charges are excluded.

Correspondents report the average prices prevailing in an area after grades are considered.

The average prices would vary due to price and/or quality changes. In effect, the Index does not measure pure price change but only the change in revenue to farmers per unit of product marketed. Adjustments for seasonal variation in prices are not made.

Income

Cash and net farm income and expense data on a provincial basis are obtained from Statistics Canada's most recent published estimates.

Calculations on a per farm basis are made by Manitoba Agriculture and may not truly reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce, but the amounts are minimal.

Weather Data

These are obtained on a regular basis for Manitoba Agriculture Reporting Program from the Environment Canada, Atmospheric Environment Service, Winnipeg Climate Centre, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba, R3C 3V4.

Metric Conversion Factors

1 acre = 0.40469 hectares
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (°Fahrenheit - 32)
1 metric tonne = 1.102 Imperial tons
1 metric tonne = 2,204.6 pounds

Crop Metric Conversion Factors:

	Weight & Yield
Crop	bushels per tonne
Wheat	36.744
Oats	64.842
Barley	45.930
Rye	39.368
Flaxseed	39.368
Canola	44.092
Corn	39.368
Peas	36.744
Buckwheat	45.930

Other crops are measured in pounds, tons, kilograms or tonnes; see conversions above.